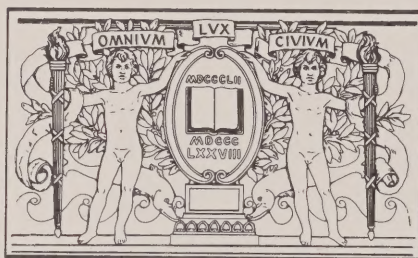


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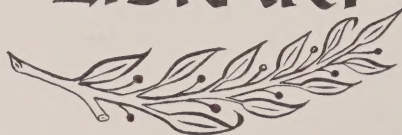


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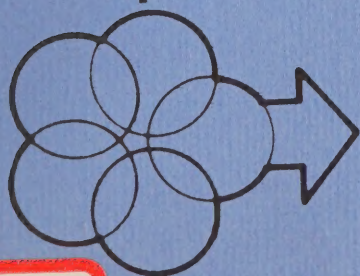


# **METRO WAYS TO UNDERSTANDING**

**A PLAN FOR THE VOLUNTARY ELIMINATION OF  
RACIAL AND ETHNIC ISOLATION IN THE SCHOOLS  
OF THE BOSTON METROPOLITAN AREA**

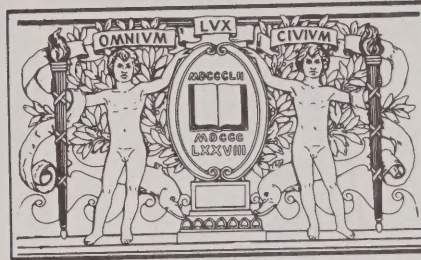
## **VOLUME III COMMUNITY PROFILES**

**TOWN OF  
MARBLEHEAD**

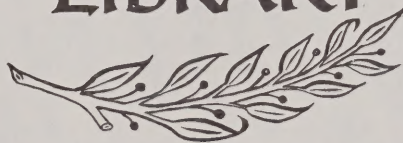


**THE METROPOLITAN PLANNING PROJECT**





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METRO WAYS TO UNDERSTANDING:

A Plan for the Voluntary Elimination of  
Racial and Ethnic Isolation in the Schools of  
The Boston Metropolitan Area

VOLUME III THE COMMUNITY PROFILES

Community Profile # 168  
Town of Marblehead

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1973-74

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## ABSTRACT

The Metropolitan Planning Project is a collaborative effort of 17 school districts supported by an additional 39 approving school districts within the Boston Metropolitan Area. Its mandate is to develop a Ten Year Plan for the phased elimination of racial and ethnic isolation in the area's schools through voluntary school district collaboration. The Project is funded by the U.S. Office of Education under the Emergency School Aid Act of 1972.

METROWAYS TO UNDERSTANDING: A Plan for the Voluntary Elimination of Racial and Ethnic Isolation in the Schools of the Boston Metropolitan Area is a phased Ten Year Plan which is a result of the process that the Metropolitan Planning Project has undergone during this year of planning. The Project has worked to achieve effective community participation in an effort to design quality learning environment programs for students. As a result of a city and suburban exchange of ideas, the Metropolitan Planning Project has helped to promote the development of over 78 proposals in 32 cities and towns for the design of new innovative learning environments. With a \$300,000 allocation for pilot programming, 14 pilot projects were funded to test MPP objectives. The projects included students from pre-kindergarten through high school age. The focus ranged from American history, art, ecology, energy, comparative life styles to Afro-American, Hispanic, Native-American, and Chinese-American cultures.

The Project has also compiled extensive data on the educational, demographic, housing, fiscal, socio-economic, land use and ethnic and racial characteristics of the 78 towns and cities in the greater Boston standard metropolitan statistical area (SMSA). This information was developed as a needs analysis and resource inventory and has been utilized in the development of the recommended educational programs. It provides the basis for program implementation. The Ten Year Plan METROWAYS TO UNDERSTANDING is aimed at promoting voluntary collaboration between urban and suburban school districts and includes the involvement of students, parents, teachers, school principals, superintendents, community organizations and others concerned with education.



During the 1974-75 school year, the Metropolitan Planning Project will pilot some of the policy recommendations developed through this participatory planning process. These recommendations include:

METROPATHWAYS - Quality innovative educational programs which will be accessible to secondary school students of different socio-economic, racial, and ethnic background within the metropolitan area by utilizing mass transit routes.

METROPAIRWAYS - Parents and school personnel from pairs or triads of city and suburban districts will meet to formulate educational programs of equal benefit to the students. Learning centers will be developed in two or three schools and each will serve as a supplement to the educational quality of each individual school.

METROETHNIC HERITAGE RESOURCE CENTERS - These will be coordinated within METROCENTER and will promote the study, compilation, production and distribution of materials and information related to minorities and ethnic groups of the SMSA. It will also be an action program for the development of other resource centers in the metropolitan area.

METROCENTER FOR COMMUNICATIONS, COUNSELLING, AND RESOURCE DEVELOPMENT - This center will coordinate the metropolitan educational programs and serve as an information and resource "bank" for students, parents, community groups and educators throughout the metropolitan area who wish to be involved in urban-suburban educational programs and staff development programs aimed at eliminating racial and ethnic isolation of students.



#### ACKNOWLEDGEMENT

I wish to thank Dr. Forbes Bottomly for his encouragement and support of this research approach; Edward Feinman and Leslie S. May who, together with the Support Research Staff and myself, developed the analyses in Volume II RESOURCES FOR IMPLEMENTATION and Volume III COMMUNITY PROFILES. Our grateful appreciation to Mrs. Helen Taggart who formatted and typed the research materials.

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Dr Forbes Bottomly

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## INTRODUCTION TO THE NOTES AND SOURCES FOR THE COMMUNITY PROFILES

The Community Profiles were developed for the 78 municipalities that comprise the study area of the Metropolitan Planning Project (MPP). The study area is defined as the 1963 Boston standard metropolitan statistical area (SMSA) boundaries. The Profiles were prepared to meet the mandate of Objective B of the Support Research component of the MPP proposal. This mandate is:

To develop profiles and analysis of social, ethnic, economic, and educational characteristics of the metropolitan area and of its individual communities.

The purpose of these profiles are to serve as the data base for the Ten Year Plan and to develop information for the implementation of educational programs through the analyses of the interaction between the education system and related urban functional systems.

A Community Profile was developed for each of the following cities and towns:

Arlington	Lexington	Randolph
Ashland	Lincoln	Reading
	Lynn	Revere
Bedford	Lynnfield	Rockland
Belmont		
Beverly	Malden	Salem
Boston	Manchester	Saugus
Braintree	Marblehead	Scituate
Brookline	Marshfield	Sharon
Burlington		Sherborn
	Medfield	Somerville
Cambridge	Medford	Stoneham
Canton	Melrose	Sudbury
Chelsea	Middleton	Swampscott
Cohasset	Millis	
Concord	Milton	Topsfield
Danvers	Nahant	Wakefield
Dedham	Natick	Walpole
Dover	Needham	Waltham
Duxbury	Newton	Watertown
	Norfolk	Wayland
Everett	North Reading	Wellesley
	Norwell	Wenham
Framingham	Norwood	Weston
		Westwood
Hamilton	Peabody	Weymouth
Hanover	Pembroke	Wilmington
Hingham		Winchester
Holbrook	Quincy	Winthrop
Hull		Woburn

There are also Profiles for each of the following regional school districts:

Dover-Sherborn  
Experimental School System of the Commonwealth of Massachusetts  
Hamilton-Wenham  
Lincoln-Sudbury  
North Shore Regional Vocational

The information in the Community Profiles assess the needs and resources of each community. It is helpful in planning for the future of each school system as well as in the development of educational curricula and programs. These will utilize school and community based resources for metropolitan educational programs for the elimination of racial and ethnic student isolation in the school districts of the SMSA. More detailed analyses of each of these communities, including a series of tables comparing these school districts and an "Analyses of Grouped Communities", are found in earlier Volumes.

These notes were prepared so that persons interested in obtaining further detailed information or in updating present data can easily do so. The source of the information and where it is located is given for each table. Non-classified government information is available by public law to all persons. This includes individual public school records as well as municipal, county, state, and federal data.

There are two sections of the Community Profiles. The first section, Community Profiles, displays educational and educational-related information about the community. The second section, Individual School Profiles, displays educational information about each individual school in the district. The page number at the beginning of a table corresponds to the page number of the Community Profile. Each Individual School Profile is 2 pages and notes for the tables are consistent with this format.



## NOTES AND SOURCES FOR THE COMMUNITY PROFILES

### EDUCATIONAL CHARACTERISTICS

#### PAGE 1 - NUMBER OF SCHOOLS AND ENROLLMENT

By Type of School: 1973-74

The information on the total number of schools in a school district, as well as the number of Elementary, Junior High, High Schools, Special and Ungraded, Regional, and Vocational Schools in a district, were obtained from the Massachusetts State Department of Education, Bureau of Educational Information Services, Massachusetts School Directory 1973-74. This publication lists the name, address, and grade organization of each school in the Commonwealth. It notes which schools are Special, Ungraded, Regional, or Vocational. Elementary Schools are those schools composed of one or all the grades K through 5 or grades K through 6. Junior High Schools are those schools composed of one or all the grades 6 through 8; schools with grades 5-6, 5-7, 5-8, and 7-9 are counted as Junior High Schools. High Schools are those schools composed of one or all of the grades 9 through 12.

The "Total", "White", and "Non-white" enrollments for each type of school were obtained from a survey conducted by the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Enrollment by Classification, Exhibit II, 1973-74. The enrollments for all Elementary Schools, Junior High Schools, High Schools, Special and Ungraded Schools, Regional Schools, and Vocational Schools in a school district which is recorded in this table were totalled by the Metropolitan Planning Project (MPP) support research staff.

#### PAGE 1 - SCHOOL ATTENDING CHILDREN IN PUBLIC and Non-public Schools

This information was obtained from the Commonwealth of Massachusetts, Annual Report of the State Department of Education for the Year Ending June 30, 1968; Annual Report ... June 30, 1971; and Annual Report ... June 30, 1973. The percentage of "Public" and "Non-public" school attending children were calculated by the MPP support research staff.

#### PAGE 1 - EDUCATIONAL COLLABORATIVE PARTICIPATION 1973-74

The educational collaboratives listed in this table were found in the following sources:

The Massachusetts State Department of Education, Bureau of Educational Information Services, Massachusetts School Directory, 1973-74; Institute for Educational Services, Inc., "Survey on Collaboration", 1971; Metropolitan Planning Project Support Research Component Telephone Survey, 1974; Massachusetts State Department of Education, Division of Curriculum and Instruction, Kaleidescope 7, 1973,

Other educational collaboratives in the Boston metropolitan area were not available from these sources.

PAGE 1 - 1970 CENSUS: SCHOOL ENROLLMENT FOR  
Level and Type of School by Race  
(Population 3 - 34 years)

This information was obtained from the United States Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing. U.S. Census information is available in published monographs, which are available at libraries and governmental agencies, and on computer tapes. The data on computer tape is organized into sequences and each sequence is referred to as a "count". Within each "count", the data is subdivided into tables, and each table has been given a number and title. The information in this table was obtained from the 4th Count Population Summary Tapes for Massachusetts, Table 38, "Population 3 Years Old and Over Enrolled in School by Level and Type of School." This information was based on a 15 percent sample survey. The percentages may not add up to 100 percent because of rounding. An N.A. indicates that this information was not available for the school district. The "Spanish-American" category includes people who are both "White" and "Black" according to the Census definition so that the total of the "White", "Black" and "Spanish-American" columns will never equal the "Total" population column.

PAGE 1 - FEDERALLY-FUNDED PROGRAMS: 1973-74

The information on Title I students in each school district was obtained from the Massachusetts State Department of Education, Division of Curriculum and Instruction, Bureau of Curriculum Services, Title I ESEA, "Unpublished Title I Program Documents, 1973-74". The Title III information was obtained from the Massachusetts State Department of Education, Division of Curriculum and Instruction, Bureau of Curriculum Services, Title III ESEA, Kaleidescope 7, 1973 and the Metropolitan Planning Project support research staff telephone survey of Title III Program Directors, July-August, 1974. The percent total enrollment was calculated by dividing the number of students in Title I and III programs by the total number of students in the district during the 1973-74 school year. The total number of students was obtained from the Massachusetts



State Department of Education, Division of Research, Planning, and Evaluation, Enrollment by Classification, Exhibit II, 1973-74. This is the same total that appears in the "Student Ethnic Census: 1973-74" table on page 2.

The Title I and Title III programs are funded by the U.S. Office of Education and were enacted by the U.S. Congress as part of the 1965 Elementary and Secondary Education Act (ESEA). The Title I program provides assistance for "educationally deprived and neglected and delinquent children." The Title III program "supports proposals to advance creativity in education."

PAGE 2 - RACIAL CENSUS: 1967-68; 1970-71; 1972-73

The information on the "Total", "White", and "Non-white" enrollments for these three school years was obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Racial Census, October, 1967; Racial Census, October, 1970; and Racial Census, October, 1972. The Racial Census does not indicate which students were considered "White" and which were considered "Non-white".

PAGE 2 - RACIAL CENSUS: ENROLLMENT CHANGE 1967-1972

These figures were calculated from the previous table by the MPP support research staff. The figures under the number sign (#) column were calculated by subtracting from the "Total", "White" or "Non-white" enrollment for the 1972-73 school year the "Total", "White" or "Non-white" enrollment for the 1967-68 school year. For example, if the 1972-73 total enrollment was 100 students and the 1967-68 enrollment was 50 students, the enrollment change would be +50(100-50) and this figure would appear in the appropriate box. The figures under the percent (%) column were derived by dividing the difference between the 1972-73 and 1967-68 enrollment by the 1967-68 enrollment. If the difference, for example, between the 1972-73 and 1967-68 enrollments was +50 and the 1967-68 enrollment was 50, the percent change would be +100 (+50/50). The figures under the "% Change in Proportional Distribution" column were calculated as follows:

The "% White" (or "% Non-white") for 1972-73 was subtracted from the "% White" (or "% Non-white") for 1967-68.

This difference was divided by the "% White"(or "% Non-white") for 1967-68 and this is the figure that was recorded. For example, if the "% White" in 1967-68 was 75% and the "% White" in 1972-73 was 50%, the "% Change in Proportional Distribution" would be calculated as follows:  
$$(50-75)/75 = (-25)/75 = -0.33.$$

Since the percent "Total Enrollment" is always 100%, no "% Change in Proportional Distribution" was calculated or recorded for "Total Enrollment". If there is a percent change from 0 to any number the "% Change in Proportional Distribution" is mathematically undefined. This is noted by the word "Undefined".

PAGE 2 - STUDENT ETHNIC CENSUS: 1973-74

This information was obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Enrollment by Classification, Exhibit II, 1973-74. The figures in the "White" column include white students and students of racial backgrounds other than "Black", "Native-American", "Asian-American", and "Spanish Surname". "Spanish Surname" students were placed in the "Non-white" category.

PAGE 2 - FOLLOW-UP OF HIGH SCHOOL GRADUATES: 1968; 1972

The information on the post high school placement of 1968 graduates was obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Distribution of Graduating Class, 1969. The number of students in each of the various placement categories may not equal the total number of high school graduates because information on all placements was not available. Some of the school districts are members of regional high schools so that information on their high school students would be included in the regional high school data. There is, therefore, no information recorded for the following school districts (the name of the regional high school their students attend is in parentheses):

- Concord (Concord-Carlisle Regional High School)
- Dover (Dover-Sherborn Regional High School)
- Hamilton (Hamilton-Wenham Regional High School)
- Lincoln (Lincoln-Sudbury Regional High School)
- Middleton (Masconomet Regional High School)
- Nahant (all Nahant high school students attend high schools in Lynn)
- Norfolk (King Philip Regional High School)
- Sherborn (Dover-Sherborn Regional High School)
- Sudbury (Lincoln-Sudbury Regional High School)
- Topsfield (Masconomet Regional High School)
- Wenham (Hamilton-Wenham Regional High School)

If there was no information available on high school graduates in a particular district, this is noted by an N.A. in the first column (under the # sign). The information on the 1972 graduates was obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Distribution of High School Graduates, Class of 1972, Fall 1973. The districts which sent their high school students to regional schools in 1968 remained the same and, therefore, no information on 1972 high school graduates for these districts is recorded. In addition to these districts, there will be no information for Pembroke since their high school students now attend Silver Lake Regional High School. The percentages in the 1972 column may not add up to 100% because of rounding.



PAGE 2 - ELIGIBLE TRANSITIONAL BILINGUAL STUDENTS: 1973-74

The number of students eligible for a transitional bilingual program was obtained from the Massachusetts State Department of Education, Bureau of Transitional Bilingual Education, Census of Children of Limited English Speaking Ability on October 1, 1973, under Chapter 71A, Act of 1971. This Census of all public school students is conducted each year in order to determine how many students are of limited English speaking ability as defined in Chapter 71A and, thus, eligible for transitional bilingual classes. The "Percent of Bilingual Enrollment" was calculated by the MPP support research staff by dividing the number of students in each language category, such as "Chinese" or "French" by the "Total" number of eligible bilingual students.

PAGE 3 - PUBLIC SCHOOL STUDENT ENROLLMENTS: 1964 - 1982

Past Enrollments: 1964 - 1972

Projected Enrollments: 1973 - 1982

This information was prepared for the Metropolitan Planning Project by the Organization for Social and Technical Innovation, Inc. (OSTI).

These enrollment projections are based on time-series enrollment data from 1964 through 1972, obtained from the Massachusetts State Department of Education, Division of Research, Planning and Evaluation. The source of the historical enrollment data for the forecast categories "Total K-12", "Total K-6", "Total 7-12", "White K-12" and "Non-white K-12" was the superintendent's report entitled Census Report.

The numbers in parentheses under each forecast category represents the  $R^2$  (coefficient of determination) for that particular projected enrollment series. It is presented to indicate a rough sense of the reliability of each forecast --  $R^2$ 's of .8 or .9 are very reliable,  $R^2$ 's of .5, .6, or .7 are good, and  $R^2$ 's of .4 or less are unreliable. When the projections for subcategories (for example, "White K-12" and "Non-white K-12" are subcategories of "Total K-12") are totaled, they do not necessarily equal the projected enrollment figures for the total category. This is because each forecast category was projected independently from the others and the projections selected are not necessarily each derived from the same mathematical equation, since the best projection was selected for each forecast category largely independent of the projections selected for other forecast categories.

School districts with no projections presented or particular forecast categories left blank means the projection here was entirely unsuccessful, sometimes for mathematical reasons, sometimes because of missing years of historical data, and sometimes because of almost certain incorrect historical enrollment data.

PAGE 4 - NUMBER OF TEACHERS BY RACE: 1972-73

This information was obtained from the U.S. Department of Health, Education, and Welfare, Office for Civil Rights, Directory of Public Elementary and Secondary

Schools in Selected Districts, Enrollment and Staff by Racial/Ethnic Group, Fall, 1974. Since this information was collected from selected school districts, data was only available for 68 of the 83 Boston metropolitan area districts. MPP support research staff contacted the remaining districts to complete the survey. The following school districts provided this information:

Cohasset  
Dover  
Dover-Sherborn Regional High School  
Experimental School System of the Commonwealth of Massachusetts  
Hamilton-Wenham Regional High School  
Holbrook  
Manchester  
Nahant  
Topsfield  
Wenham

An N.A. indicates that this information was not available for the school district. Spanish Surname teachers were placed in the "Non-white" category.

PAGE 4 - NUMBER OF TEACHERS, TEACHER-AIDES, AND OTHER PROFESSIONAL STAFF: 1973-74

This information was obtained from the U.S. Equal Employment Opportunity Commission, Elementary-Secondary Staff Information (EEO-5), October 1, 1973. Since this information was collected on a selected school district basis, the MPP support research staff surveyed the remaining districts to obtain this information. The following school districts provided this information:

Ashland  
Beverly  
Braintree  
Cohasset  
Experimental School System of the Commonwealth of Massachusetts  
Framingham  
Hamilton-Wenham Regional High School  
Manchester  
Medfield  
Medford  
Middleton  
Millis  
Nahant  
Norfolk  
Pembroke  
Saugus  
Sherborn  
Sudbury  
Topsfield  
Walpole



The "Other Professional Staff" category include the following staff positions: Officials, Administrators, Managers, Principals, Assistant Principals, Guidance Personnel, Psychologists, Librarians, Supervisors of Instruction, and all other professional staff. An N.A. indicates that this information was not available for the school district.

#### PAGE 5 - SELECTED FINANCIAL CHARACTERISTICS

The information on "% Municipal Tax Dollar Spent on Education" was obtained from the Commonwealth of Massachusetts, Annual Report of the Department of Education for the Year Ending June 30, 1968; Annual Report ... June 30, 1971; Annual Report ... June 30, 1973.

The "% Municipal Tax Dollar Spent on Education" was calculated by the MPP support research staff by dividing the school tax rate by the general tax rate. For example, if the school tax rate in a town was \$24 and the total tax rate was \$48, the "% Municipal Tax Dollar Spent on Education" would be 50% (24/48).

The information on "Comprehensive Per Pupil Expenditure" was obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Per Pupil Expenditures 1967-68; Per Pupil ... 1970-71; Per Pupil ... 1972-73. This per pupil expenditure is the integrated per pupil cost for the Regular Day, Vocational Day, and Special Education Programs and pro-rated Regional School Expenditures divided by the average membership of students in those programs.

The information on "Public School Attending Children Transported at Public Expense" was obtained from the Commonwealth of Massachusetts, Annual Report of the Department of Education for the Year Ending June 30, 1968; Annual Report ... June 30, 1971; Annual Report ... June 30, 1973. Discrepancies may appear in this table because the data received was unaudited.

The information on "Computative Equalized Property Valuation per School Attending Child" was obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, School Aid to Massachusetts Cities and Towns, (Chapter 70 Amended), 1967-68; School Aid ... 1970-71; School Aid ... 1972-73. Computative equalized property valuation for any one year is equal to the equalized property valuation the previous calendar year divided by the number of school attending children for that school year. For example, the computative equalized valuation for 1967-68 is derived by dividing the equalized property valuation for 1966 by the number of school attending children for 1967-68.

#### PAGE 5 - TAX RATE

This information was obtained from the Massachusetts Teachers Association, Background Data for Massachusetts School Districts 1973, Research Bulletin 734-9, 1973. The official tax rate is equal to a city or town's budget needs divided by the assessed value (tax rate=budget needs/assessed value). The equalized

tax rate is equal to the town's budget needs divided by the true market value of property in a city or town, as determined by the Massachusetts Department of Corporations and Taxation (equalized tax rate=budget needs/full market value). The tax rate indicates the number of dollars per \$1,000 of assessed valuation a person or corporation would be taxed on property owned.

#### PAGE 5 - SCHOOL TAX RATE

This information was obtained from the Massachusetts Teachers Association, Background Data for Massachusetts School Districts 1973, Research Bulletin 734-9, 1973. The official school tax rate is equal to a city or town's school budget needs divided by the assessed value (school tax rate=school budget needs/assessed value). The equalized school tax rate is equal to the town's school budget needs divided by the true market value of property in a city or town, as determined by the Massachusetts Department of Corporations and Taxation (equalized school tax rate=school budget needs/full market value). The school tax rate indicates the number of dollars per \$1,000 of assessed valuation a person or corporation would be taxed on property owned.

#### PAGE 5 - 1973 MOODY'S BOND RATING

This information was obtained from Moody's Investor Service, Moody's Bond Record, December 1973. The bonds were rated by Moody's Investor Service in the following order, with the first rating assigned to the bonds judged to be of highest quality and the last rating assigned to bonds judged to be of lowest quality:

Aaa	Baa	Caa
Aa	Ba	Ca
A	B	C

The bonds in the A and Baa groups which Moody's determined had the strongest investment attributes were designated by the symbols A-1 and Baa-1.

#### PAGE 5 - PUBLIC SCHOOL STUDENTS Receiving Subsidized Lunches: 1973-74

This information was obtained from the Massachusetts State Department of Education, Bureau of Nutrition Education and School Food Services Education, "Average Number of Lunches Served to Needy". The figures in this table was calculated by taking the number of needy students served lunches in a school during the month of January, 1974 and dividing this number of the number of days schools were opened that month. The average number of lunches served per day in each school were totalled by the MPP support research staff to develop the school district totals.

The "% of Total Enrollment" was calculated by dividing the number of lunch program students by the 1973-74 total school district enrollments obtained from the Massachusetts State Department of Education, Division of Research, Planning and Evaluation, Enrollment by Classification, Exhibit II, 1973-74.



PAGE 5 - STUDENTS ENROLLED IN METCO

The information on the number of METCO (Metropolitan Council for Educational Opportunities, Inc.) students during the 1967-68 school year was obtained from the Massachusetts State Department of Education, Bureau of Equal Education Opportunity, "Recommendations for Funding of Plans Submitted Under Chapter 506 of the Acts of 1966," 1968. The 1970-71 information was obtained from the Massachusetts State Department of Education, Bureau of Equal Educational Opportunity, "Fiscal Report, METCO 1970-71 Program". The 1972-73 information was obtained from the Massachusetts State Department of Education, Bureau of Equal Educational Opportunity, "Memorandum to Rae Cecilia Kipp [Chairman, State Board of Education] from Charles L. Glenn and Cecilia M. DiBella, August 22, 1972. Subject: METCO Program for 1972-73." The information for the 1973-74 school year was obtained from the METCO files "Unpublished Student Enrollment Records", August, 1974. This information was obtained on a school by school basis; the schools figures were totalled by the MPP support research staff to develop the school district totals.

The "% of Total Enrollment" for the 1967-68; 1970-71; and 1972-73 school years were calculated by dividing the number of METCO students by the total number of students for that particular year. The total number of students for those school years were obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Racial Census, October, 1967; Racial ... 1970; Racial ... 1973. The "% of Total Enrollment" for the 1973-74 school year was calculated by dividing the "# METCO Students" by the 1973-74 district enrollments obtained from the Massachusetts Department of Education, Division of Research, Planning and Evaluation, Enrollment by Classification, Exhibit II, 1973-74. METCO is a state funded interdistrict transfer program which transports children from Boston to suburban school districts.

PAGE 6 - PERCENT DISTRIBUTION OF SCHOOL REVENUES: 1967-68; 1970-71; 1972-73

This information was obtained from the Commonwealth of Massachusetts, Annual Report of the Department of Education for the Year Ending June 30, 1968; Annual Report ... June 30, 1971; Annual Report ... June 30, 1973. The percentages were calculated by the MPP support research staff. The percentages may not add up to 100 percent because of rounding.

PAGE 6 - ABSOLUTE DOLLAR AND PERCENT CHANGES IN REVENUES: 1967-72

These figures were calculated from the previous table. The dollar (\$) "Changes in Public School Funds Provided 1967-72" were calculated by subtracting the 1972-73 dollar amounts for "Total Funds Provided", "Local Sources", and remaining categories from the 1967-68 dollar amounts. For example, if the total public school funds provided in 1972-73 were \$100,000 and the funds provided in 1967-68 were \$50,000, the absolute dollar change in revenues would be \$50,000 (\$100,000-\$50,000). The percent changes in revenues was calculated by dividing the difference

between the 1972-73 and 1967-68 funds provided by the 1967-68 amount. For example, if the 1972-73 total funds provided were \$100,000 and the 1967-68 funds provided were \$50,000, the percent "Change in Funds Provided" would be equal to  $(\$100,000 - \$50,000) / \$50,000 = \$50,000 / \$50,000 = +100\%$ . If there were no funds provided during 1967-68 for any of the categories, the percent change in revenues is mathematically undefined. This is noted by the word Undefined.

#### PAGE 6 - PERCENT CHANGE IN PROPORTIONAL DISTRIBUTION OF REVENUES: 1967-72

These figures were calculated from the first table on page 6. The "Percent Change in Proportional Distribution of Revenues" was derived as follows:

The percent of revenues from "Local Sources", "Commonwealth Sources", and remaining categories for the 1967-68 school year was subtracted from the 1972-73 school year figures then this difference was divided by the percent "Local Sources", "Commonwealth Sources", and remaining categories for the 1967-68 school year.

For example, if the percent of revenues from local sources in 1967-68 were 50% and the percent of revenues from local sources in 1972-73 were 75%, the "Percent Change in Proportional Distribution of Revenues: 1967-72" would equal  $(75-50)/50 = 25/50 = +50\%$ . If there is a percent change from 0 to any number, the "Percent Change in Proportional Distribution" is mathematically undefined. This is noted by the word Undefined.

#### PAGE 7 - PERCENT DISTRIBUTION OF SCHOOL EXPENDITURES: 1967-68; 1970-71; 1972-73

This information was obtained from the Commonwealth of Massachusetts, Annual Report of the Department of Education for the Year Ending June 30, 1968; Annual Report ... June 30, 1971; Annual Report ... June 30, 1973. The percentages were calculated by the MPP support research staff. The percentages may not add up to 100 percent because of rounding.

#### PAGE 7 - ABSOLUTE DOLLAR AND PERCENT CHANGES IN EXPENDITURES: 1967-72

These figures were calculated from the previous table. The dollar (\$) "Changes in Public School Funds Expended 1967-72" were calculated by subtracting the 1972-73 dollar amounts for "Total Public School Funds Applied", "Administration", and remaining categories from the 1967-68 dollar amounts. For example, if the "Total Public School Funds Applied" in 1972-73 were \$100,000 and the funds applied in 1967-68 were \$50,000, the absolute dollar change in expenditures would be \$50,000  $(\$100,000 - \$50,000)$ . The percent changes in expenditures was calculated by dividing the difference between the 1972-73 and 1967-68 funds expended by the 1967-68 amount. For example, if the 1972-73 total funds expended were \$100,000 and the 1967-68 funds expended were \$50,000, the percent "Changes in Public School Funds Expended" would be equal to  $(\$100,000 - \$50,000) / \$50,000 = \$50,000 / \$50,000 = +100\%$ . If there were no funds provided during 1967-68 for any of the categories, the percent change in expenditures is mathematically undefined. This is noted by the word Undefined.



PAGE 7 - PERCENT CHANGE IN PROPORTIONAL DISTRIBUTION OF EXPENDITURES: 1967-72

These figures were calculated from the first table on page 7. The "Percent Change in Proportional Distribution of Expenditures" was derived as follows:

The percent of expenditures from "Administration", "Instruction", and remaining categories for the 1967-68 school year was subtracted from the 1972-73 school year figures. Then this difference was divided by the percent "Administration", "Instruction", and remaining categories for the 1967-68 school year.

For example, if the percent of expenditures for "Administration" in 1967-68 were 50% and the percent of expenditures for "Administration" in 1972-73 were 75%, the "Percent Change in Proportional Distribution of Expenditures: 1967-72" would equal  $(75-50)/50 = 25/50 = +50\%$ . If there is a percent change from 0 to any number, the "Percent Change in Proportional Distribution of Expenditures" is mathematically undefined. This is noted by the word Undefined.

PAGE 8 - 1970 CENSUS: COUNT OF PERSONS 25 YEARS OF AGE AND OVER BY RACE AND YEARS OF SCHOOL COMPLETED.

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 42, "Population 25 Years Old and Over by Years of School Completed and Sex". This information was based on a 20% sample survey. The "Spanish-American" category includes people who are both "White" and "Black" according to the Census definition so that the total of the "White", "Black" and "Spanish-American" columns will never equal the "Total Population" column. The "White" and "Black" figures may not equal the "Total Population" column because they do not include people of other racial backgrounds such as Asian-American and Native-American.

PAGE 8 - MEDIAN SCHOOL YEARS COMPLETED

This information was calculated from the previous table, "1970 Census: Count of Persons 25 Years of Age and Over by Years of School Completed". This calculation was performed by the Massachusetts Institute of Technology (M.I.T.) Information Processing Center.

DEMOGRAPHIC CHARACTERISTICS

PAGE 9 - CENSUS POPULATION BY RACE AND SPANISH LANGUAGE: 1960; 1970

The information on the 1960 population was obtained from the U.S. Department of Commerce, Bureau of the Census, 1960 Census of Population, Volume I, Characteristics of the Population, Part 23, Massachusetts, Tables 21, 25. This monograph

is available at libraries and governmental agencies. The "Asian-American" category includes only Chinese, Japanese, and Filipino. The percentages may not add up to 100 percent because of rounding.

The 1970 population figures were obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population, General Social and Economic Characteristics, Massachusetts, PC (1) - C23, Tables 81, 102 and 1970 Census of Population, General Population Characteristics, Massachusetts, PC (1) - B23, Tables 23, 27, 31. The "Asian-American" category includes only Chinese, Japanese and Filipino. The "Other" category includes Hawaiians, Koreans, Aleuts, Eskimos, Malaysians, and Polynesians. The "Spanish Language" data was obtained from the 1970 U.S. Census "Persons of Spanish Language" category. Persons of "Spanish Language" were not considered a distinct racial group by the U.S. Bureau of the Census and were, therefore, not distributed in the "White" or "Non-white" categories. An N.A. indicates that this information was not available for the school district. The percentages may not add up to 100 percent because of rounding.

The "1960-1970 Increase (+) Decrease (-)" figures were calculated by the MPP support research staff from the data in the first two rows of this table. The increase or decrease in the number (#) columns were derived by subtracting the 1970 population figures from the 1960 figures.

The increase or decrease in the percent (%) column were calculated by dividing the difference between the 1970 and 1960 population figures by the 1960 figures.

The "% Change in Proportional Distribution" was calculated as follows:  
The "% White", "% Non-white" and percentages for the other columns for 1970 were subtracted from the 1960 percentages. This difference was divided by the 1960 percentages and this is the figure that was recorded.

#### PAGE 9 - CENSUS POPULATION INCREASE OR DECREASE: 1960-1970

This information was obtained from the Massachusetts Department of Commerce and Development, Massachusetts Population 1970-1965-1960 and Population Movements in Massachusetts 1960-1970.

#### PAGE 9 - CENSUS: FERTILITY RATIO BY RACE

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 44, "Females 15-44 Years Old by Marital Status, Number of Children and Age". This ratio tells how many children, on the average, a woman between the ages of 15 and 44 had in 1970. For example, a fertility ratio of 1.35:1 indicates that for that city or town (and for that racial grouping) the average number of children a woman between 15 and 44 would have would be 1.35. An N.A. indicates that this information was not available for the school district.

PAGE 10 - 1970 CENSUS:  
Household Population by Race

The information on "Total Population" was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Second Count Summary Tapes for Massachusetts, Table 1, "Race and Sex". The information on "Population in Households" was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Second Count Summary Tapes for Massachusetts, Table 3, "Household Population by Age, Race and Sex". An N.A. indicates that this information was not available for the school district. The U.S. Bureau of the Census defines people who live in households as those people who occupy a group of rooms or a single room which constitutes a housing unit. All living arrangements other than households are classified as group quarters. Persons living in group quarters include, for example, those who are inmates of institutions and those living in rooming and boarding houses, communes or military barracks.

PAGE 10 - 1970 CENSUS:  
Number of Families by Sex of Family Head

The information on the number of families headed by females was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 75 "Family Income". The number of families headed by males was calculated by the MPP support research staff by subtracting the number of female headed families from the total number of families. This information was based on a 20 percent sample survey. The U.S. Bureau of the Census defines a family as a household head and one or more other persons living in the same household who are related to the head by blood, marriage, or adoption. The "White" and "Black" figures may not equal the "Total Population" because they do not include people of other racial backgrounds such as Asian-American and Native-American.

PAGE 10 - 1970 CENSUS: AGE DISTRIBUTION BY RACE

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Second Count Summary Tapes for Massachusetts, Table 2, "Single Years of Age, Race, and Sex". The percentages were calculated by the MPP support research staff. The percentages may not add up to 100 percent because of rounding. An N.A. indicates that this information was not available for the school district.

PAGE 11 - 1970 CENSUS: NATIVITY AND PARENTAGE

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 21, "Nativity and Parentage". This information was based on a 15 percent sample survey. A "Native of Native Parent"



is a person born in the United States, the Commonwealth of Puerto Rico or an outlying area of the United States whose parents were also born in the United States. "Foreign Stock" includes U.S. citizens who were foreign born as well as those people who were born in the U.S. but had one or more foreign born parents ("Foreign or Mixed Parentage"). The "Spanish-American" category includes people who are both "White" and "Black" according to the Census definition so that the total of the "White", "Black" and "Spanish-American" columns will never equal the "Total Population" column.

PAGE 11 - 1970 CENSUS: MOST FREQUENT COUNTRY  
of Origin of Foreign Stock

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 22, "Country of Origin and Nativity". This information was based on a 15 percent sample survey. This table indicates the country of origin of the foreign stock population (foreign born and native of foreign or mixed parentage) in a city or town, with the information presented separately for foreign born and native of mixed parentage. These figures were totalled by the MPP support research staff to arrive at the number of persons recorded for each of the countries listed in this table. The countries listed are those which have the largest number of former citizens presently U.S. citizens residing in this community. The percent foreign stock population was calculated by dividing the number of foreign stock citizens from a particular country by the total number of foreign stock residents in that city or town. The total number of foreign stock residents was obtained from the previous table, "1970 Census: Nativity and Parentage".

PAGE 11 - 1970 CENSUS: SPANISH POPULATION INDICATORS

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 24, "Spanish Indicators". The information on persons of "Spanish Origin or Descent" was derived from the question of whether a person's origin or descent was Mexican, Puerto Rican, Cuban, Central or South American, or other Spanish. The information on persons of "Puerto Rican Birth or Parentage" includes persons born in Puerto Rico and persons born in the United States or an outlying area with one or more parents born in Puerto Rico. Persons of "Spanish Language" comprise persons of Spanish mother tongue and all other persons in families in which the head or wife reported Spanish as his or her mother tongue. Since a person of "Spanish Origin or Descent" may appear in two or more of these Spanish population indicators, these figures were not totalled to arrive at a total number of Spanish population residents in a city or town.

PAGE 11 - 1970 CENSUS: MOST FREQUENT MOTHER TONGUES  
Other Than English

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 23, "Mother Tongue and Nativity". This information was based on a 15 percent sample survey of which language was spoken in a person's home when he or she was a child. Since English is the most frequent mother tongue, information is only displayed for mother tongues other than English. This information is presented separately for foreign born and natives and these figures were totalled by the MPP support research staff to arrive at the figures presented in this table.

ECONOMIC CHARACTERISTICS

PAGE 12 - 1970 CENSUS: NUMBER OF EMPLOYED PERSONS 16 YEARS OLD AND OVER  
BY OCCUPATION

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 58, "Employed Population 16 Years Old and Over by Occupation". This information was based on a 20 percent sample survey. Each of the occupation categories shown on this table such as "Professional, Technical, and Kindred Workers" have been broken down into subcategories and the same information in this table is available for each of these subcategories. An N.A. indicates that this information was not available for the school district. The percentages may not add up to 100 percent because of rounding. The "White" and "Black" figures may not equal the "Total Persons Employed" because they do not include people of other racial backgrounds such as Asian-American and Native-American. The "Spanish-American" category includes people who are both "White" and "Black" according to the Census definition so that the total of the "White", "Black" and "Spanish-American" columns will never equal the "Total Persons Employed" column.

PAGE 13 - MEDIAN INCOME: 1960 CENSUS; 1970 CENSUS

The information on 1960 Median Income was obtained from the U.S. Department of Commerce, Bureau of the Census, 1960 Census of Population, Volume I, Characteristics of the Population, Part 23 Massachusetts, Tables 33, 34, 76.

The information on the 1970 Median Income was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 75, "Family Income", and Table 76, "Income of Unrelated Individuals". This information was based on a 20 percent sample survey.

Information on families includes all those people living in the same household who are related to the head by blood, marriage, or adoption. Information on unrelated individuals includes all members of a household who are not related to anyone else in the household or a person living in group quarters who is not an inmate of an institution. An N.A. indicates that this information was not available for the school district.

PAGE 13 -                   1970 CENSUS: EMPLOYMENT STATUS BY RACE  
                            of Persons 16 Years of Age and Over in Labor Force

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 54, "Population 16 Years Old and Over by Labor Force Status, Selected Characteristics, and Sex". This information was based on a 20 percent sample survey. The employment or labor force status of persons over 16 is recorded by the U.S. Bureau of the Census in three categories: "In Labor Force", "In Armed Forces", and "Not in Labor Force". The information in this table covers only those people in the labor force, and this category is broken down into those who are "Employed" and those who are "Unemployed". Since the number and percent "Unemployed" is only based on those people in the labor force, it is an undercount of actual unemployment in a community. The "Total" is of those people 16 years and over in the labor force. An N.A. indicates that this information was not available for the school district. The "Spanish-American" category includes people who are both "White" and "Black" according to the Census definition so that the total of the "White", "Black", and "Spanish-American" columns will never equal the "Total" column. The percentages may not add up to 100 percent because of rounding. The "White" and "Black" figures may not equal the "Total" column because they do not include people of other racial backgrounds such as Asian-American and Native-American.

PAGE 14 -   1970 CENSUS:  
  Number of Persons in Families and  
                            Number of Unrelated Individuals with Income Less Than Poverty Level

The information on the number of "Persons in Families" below poverty level was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 83, "Aggregate Number of Persons in Families below Poverty Level".

The information on the "Number of Unrelated Individuals with Income Less Than Poverty Level" was obtained from the U.S. Department of Commerce, Bureau of the Census 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 89, "Unrelated Individuals by Age and Poverty Status". This information was based on a 20 percent sample survey. The number of persons in families and the number of unrelated individuals were totalled by the MPP support research staff to arrive at the total in this table.



The definition of poverty level income originated with the U.S. Social Security Administration in 1964 and was subsequently modified by a Federal Interagency Committee. This index provides a range of poverty income cutoffs adjusted by such factors as family size, family head, number of children under 18 years old, and farm and nonfarm residence, needed in order to maintain a nutritionally adequate food plan designed by the Department of Agriculture. In 1969, the poverty thresholds ranged from \$1,847 for a female unrelated individual 65 years old and over living on a farm to \$6,116 for a nonfarm family with a male head and with seven or more persons. The average poverty threshold for a nonfarm family of four headed by a male was \$3,745. An N.A. indicates that this information was not available for the school district. The percentages may not add up to 100 percent because of rounding. The "White" and "Black" figures may not equal the "Total Population" because they do not include people of other racial backgrounds such as Asian-American and Native-American. The "Spanish-American" category includes people who are both "White" and "Black" according to the Census definition so that the total of the "White", "Black", and "Spanish-American" columns will never equal the "Total Population" column.

PAGE 14 -

#### 1970 CENSUS:

##### Number of Related Children Under 18 in Families Below Poverty Level by Presence of Parents

This information was obtained from the 1970 U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 92, "Related Children Under 18 Years Old in Families Below Poverty Level by Presence of Parents". This information was based on a 20 percent sample survey. The percentages were calculated by the MPP support research staff by dividing the number of children under 18 living in families below poverty level by the total number of children under 18 in that city or town. An N.A. indicates that this information was not available for the school district. The "White" and "Black" figures may not equal the "Total Population" because they do not include people of other racial backgrounds such as Asian-American and Native-American. The "Spanish-American" category includes people who are both "White" and "Black" according to the Census definition so that the total of the "White", "Black" and "Spanish-American" columns will never equal the "Total Population" column.

PAGE 15 - CHARACTERISTICS OF INDUSTRIAL FIRMS: 1967

This information was obtained from the Commonwealth of Massachusetts, Division of Employment Security, "Massachusetts Employment and Wages 1967 by Area (City and Town) by Industry, 3 digit," unpublished computer printouts. This information is on industrial establishments subject to the Massachusetts Employment Security Law, Chapter 151A of the General Laws, and generally excludes employment in nonprofit institutions organized for religious, charitable, educational,

or scientific purposes; in domestic service; self employment and unpaid family service; and in governments. A definition of each major industry, such as "Agriculture and Mining", presented in this table, can be found in the following publication: The Commonwealth of Massachusetts, Division of Employment Security, Massachusetts Cities and Towns, Employment and Wages in Establishments Subject to the Massachusetts Employment Security Law by Major Industry Divisions 1967-1971, March, 1973.

PAGE 16 - CHARACTERISTICS OF INDUSTRIAL FIRMS: 1972

This information was obtained from the Commonwealth of Massachusetts, Division of Employment Security, "Massachusetts Employment and Wages 1972 by Area (City and Town) by Industry, 3 digit", unpublished computer printouts. This information is on industrial establishments subject to the Massachusetts Employment Security Law, Chapter 151A of the General Laws, and generally excludes employment in nonprofit institutions organized for religious, charitable, educational, or scientific purposes; in domestic service; self employment and unpaid family service; and in governments. A definition of each major industry, such as "Agriculture and Mining", presented in this table, can be found in the following publication: The Commonwealth of Massachusetts, Division of Employment Security, Massachusetts Cities and Towns, Employment and Wages in Establishments Subject to the Massachusetts Employment Security Law by Major Industry Divisions 1967-1971, March, 1973.

LAND USE CHARACTERISTICS

PAGE 17 - LAND USE PATTERNS IN (CITY OR TOWN NAME)

The percentages measured on this pie chart were calculated from land use pattern information obtained from the Metropolitan Area Planning Council, Preliminary Single Purpose Plan Report, Land Use Numbers, Study Element Number 3.05 of the Southeastern New England Study, October 1973 (compiled for the New England River Basin Study). This report contained information on the number of acres in a city or town utilized for "Residential", "Commercial" and the other remaining categories. The MPP support research staff calculated the percentages that were used to develop the pie chart displayed in this table.

HOUSING CHARACTERISTICS

PAGE 18 - 1970 CENSUS: SELECTED HOUSING CHARACTERISTICS

This information was obtained from the U.S. Department of Commerce, Bureau of the

Census, 1970 Census of Population and Housing, 1970 Census of Housing, General Housing Characteristics, Massachusetts HC (1)-A23, Tables 1, 8, 18, 23, 24. The median value of owner occupied units does not include those that are in multi-unit structures, trailers, rural units on farms or places of ten or more acres, or on properties any part of which is used as a business.

The U.S. Bureau of the Census defines a housing unit as a house, an apartment, a group of rooms, or a single room occupied or intended for occupancy as separate living quarters. A housing unit was considered vacant if no one was living in it at the time the Census was taken unless its occupants were only temporarily absent. Median value was the owner's estimate of how much the property (house and lot) would sell for, if it were for sale. Median contract rent is the monthly rent agreed to, or contracted for, regardless of any furnishings, utilities, or services that may be included.

PAGE 18 -           1970 CENSUS: NUMBER OF HOUSING UNITS  
by Occupancy Status and Race of Head of Household

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Housing Summary Tapes for Massachusetts, Table 26, "Occupancy/Vacancy Status". The total number of housing units in this table may be slightly lower than the total in the previous table because it does not include vacant migratory and seasonal units. The percentages may not add up to 100 percent because of rounding. An N.A. indicates that this information was not available for the school district. The "White" and "Black" figures may not equal the "Total" column because they do not include people of other racial backgrounds such as Asian-American and Native-American. This information was based on a 20% sample survey.

PAGE 18 - BUILDING PERMITS ISSUED FOR NEW  
Dwelling Units: 1960-71

This information was obtained from the Massachusetts Department of Commerce and Development, City and Town Monograph. This is a separate monograph for each city and town in the Commonwealth of Massachusetts. These monographs, which contain other information on a city or town, are free to the public upon request.

PAGE 19 - NUMBER OF SUBSIDIZED HOUSING UNITS BY TYPE OF CONSTRUCTION  
STATUS: 1973

This information was obtained from the Metropolitan Area Planning Council, (MAPC) Subsidized Housing in the Boston Region as of December 31, 1973, and is available to the public upon request. The MAPC is the regional planning agency for the Boston metropolitan area; it studies the demographic, socio-economic, land use, and housing characteristics of the cities and towns in the Boston metropolitan area. MHFA refers to the Massachusetts Housing Finance Agency.



PAGE 19 - 1970 CENSUS: AGE OF HOUSING UNITS

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Housing Summary Tapes for Massachusetts, Table 8, "Year Structure Built, Tenure, and Race of Head". This information was based on a 20 percent sample survey. Since this information is based on a sample survey, the total number of housing units may not equal the total number of units recorded on other "Housing Characteristic" tables. The number of "Other Occupied Housing Units" was calculated by the MPP support research staff by subtracting the "Black Occupied Housing Units" column from the "Total Housing Units" column. The "Other Occupied Housing Units" are occupied primarily by whites but may also be occupied by Asian-American, Native-American and other racial and ethnic group members. The percentages may not add up to 100 percent because of rounding. An N.A. indicates that this information was not available for the school district. The "Spanish-American" category includes people who are both "White", and "Black" according to the Census definition so that the total of the "White" "Black" and "Spanish-American" columns will never equal the "Total Housing Units" column.

PAGE 20 - 1970 CENSUS: NUMBER OF PERSONS PER ROOM IN OCCUPIED HOUSING UNITS  
By Race of Head of Household

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, First Count Summary Tapes for Massachusetts, Table 30, "Persons per Room, Tenure and Race of Head". The number of "Other Occupied Housing Units" was calculated by the MPP support research staff by subtracting the "Black Occupied Housing Units" column from the "Total Occupied Units" column. An N.A. indicates that this information was not available for the school district. The percentages may not add up to 100 percent because of rounding.

PAGE 20 - 1970 CENSUS: TYPE OF HOUSING STRUCTURE

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Housing Summary Tapes for Massachusetts, Table 9, "Units in Structure, Tenure, and Race, of Head". This information was based on a 20 percent sample survey. Since this information is based on a sample survey, the total number of housing units may not equal the total number of units recorded on other "Housing Characteristic" tables. This information is also available for Black and Spanish-American occupied units, both owner occupied and renter occupied. An N.A. indicates that this information was not available for the school district. The percentages may not add up to 100 percent because of rounding.

PAGE 20 - 1970 CENSUS:  
Average Number of  
Persons per Housing Unit

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Housing Summary Tapes for Massachusetts, Table 37, "Number of Persons in Unit, Tenure, and Race of Head". This information was based on a 20 percent sample survey. This information was calculated by the MPP support research staff by dividing the number of persons in housing units by the total number of housing units. The number of "Other Occupied Housing Units" was calculated by the MPP support research staff by subtracting the "Black Occupied Housing Units" column from the "Total Occupied Housing Units" column.

PAGE 21 - 1970 CENSUS: VALUE OF OWNER OCCUPIED HOUSING UNITS BY RACE OF  
HEAD OF HOUSEHOLD

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Housing Summary Tapes for Massachusetts, Table 52, "Value, Occupancy Status, and Race of Head". This information was based on a 20 percent sample survey. The value of an owner occupied unit was the owner's estimate of how much the property (house and lot) would sell for, if it were for sale. The number of "Other Owner Occupied Units" was calculated by the MPP support research staff by subtracting the "Black Owner Occupied Units" column from the "Total Owner Occupied Units" column. The percentages may not add up to 100 percent because of rounding. An N.A. indicates that this information was not available for the school district. The "Spanish-American" category includes people who are both "White" and "Black" according to the Census definition so that the total of the "White", "Black" and "Spanish-American" column will never equal the "Total Owner Occupied Units" column.

PAGE 22 - 1970 CENSUS: MONTHLY GROSS RENT BY RACE OF HEAD OF HOUSEHOLD

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Housing Summary Tapes for Massachusetts, Table 19, "Gross Rent and Race of Head". This information was based on a 20 percent sample survey. "Monthly Gross Rent" is the monthly rent agreed to, or contracted for, regardless of any furnishings, utilities, or services that may be included plus the estimated average monthly cost of utilities and fuels, if these items are paid for by the renter in addition to rent. The number of "Other Renter Occupied Units" was calculated by the MPP support research staff by subtracting the "Black Renter Occupied Units" column from the "Total Renter Occupied Units" column. An N.A. indicates that this information was not available for the school district. The percentages may not add up to 100 percent because of rounding. The "Spanish-American" category includes people who are both "White" and "Black" according to the Census definition so that the total of the "White", "Black" and "Spanish-American" columns will never equal the "Total Renter Occupied Units" column.

## NOTES AND SOURCES FOR THE INDIVIDUAL SCHOOL PROFILES

### PAGE 1 - SCHOOL DISTRICT #, SCHOOL #

The school district and school number (#) which appear on the upper right hand box are code numbers which are used by the Massachusetts State Department of Education. These code numbers were obtained from the Massachusetts State Department of Education, Bureau of Educational Information Services, Massachusetts School Directory 1973-74.

### PAGE 1 - 1973-74 SCHOOL DISTRICT; SCHOOL NAME; NO. & STREET; City, State, Zip; Grade Organization

This information was obtained from the Massachusetts State Department of Education, Bureau of Educational Information Services, Massachusetts School Directory 1973-74.

### PAGE 1 - FACILITIES

The information on a school's date of initial construction, date(s) of additions or changes, number of rooms for instructional use, and total number of rooms were obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, School Building Inventory, Fall, 1973. There were fifty-eight types of school rooms listed on this form. Forty-two of these rooms were placed by the MPP support research staff in the "Instructional Use" category. These rooms are:

1. Art (General)
2. Arts and Crafts
3. Auditorium
4. Automotive
5. Bandroom
6. Biology Laboratory
7. Bookkeeping
8. Chemistry Laboratory
9. Child Care Center
10. Chorus Room
11. Classroom Regular, (Regular, Interchangeable)
12. Classroom (Seminar Room)
13. Corrective Room (Athletics)
14. Earth Science Laboratory
15. Field House
16. General Science Laboratory
17. Graphic Arts
18. Gymnasium
19. Home Economics (Food)



20. Home Economics (General)
21. Home Economics (Multi-purpose Living Center)
22. Ice Skating Rink
23. Instructional Media Center
24. Language Arts Laboratory
25. Library
26. Mathematics Laboratory
27. Mechanical Drawing
28. Metal Shop
29. Music Room (General)
30. Office Machines
31. Office Practice
32. Physics Laboratory
33. Power Mechanics Shop
34. Sewing Room
35. Shop (General)
36. Social Studies Laboratory
37. Special Education Remedial Rooms
38. Stenography Room
39. Swimming Pool
40. Television Room
41. Typing Room
42. Wood Shop

The remaining sixteen were placed in the "Other Uses" category.  
They are:

1. Administrative Office
2. Audio-Visual Workroom
3. Cafeteria
4. Data Processing
5. Guidance Office
6. Health Suite
7. Kitchen
8. Lavatories (Boys')
9. Lavatories (Girls')
10. Shower and Locker Rooms
11. Storage (Books)
12. Storage (Custodial Supplies)
13. Storage (General Instructional Supplies)
14. Student Activity Room
15. Teachers' Lounge
16. Teachers' Workroom

An N.A. indicates that this information was not available for the school.

The information on "Title I" programs in a school ("Type of Program", "# of Students") was obtained from the Massachusetts State Department of Education, Division of Curriculum and Instruction, Bureau of Curriculum Services, Title I ESEA, "Unpublished Title I Program Documents, 1973-74." The "% School Enrollment" was calculated by the MPP support research staff by dividing the number of students in Title I programs by the total number of students in the school during the 1973-74 school year. The total number of students was obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Enrollment by Classification, Exhibit II, 1973-74. This is the same total that appears in the "Student Ethnic Census: 1973-74" table on page 2. The Title I program is funded by the U.S. Office of Education and was legislated by the U.S. Congress as part of the 1965 Elementary and Secondary Education Act (ESEA). The Title I program provides assistance for "educationally deprived and neglected and delinquent children".

The information on students in the "Lunch Program" ("# Students, Free"; "# Students, Reduced Price") was obtained from the Massachusetts State Department of Education, Bureau of Nutrition Education and School Food Services Education, "Average Number of Lunches Served to Needy". The figures in this table were calculated by taking the number of needy students served lunches in a school during the month of January, 1974 and dividing this number by the number of days schools were opened that month. The "% School Enrollment" was calculated by the MPP support research staff, 1973-74, by dividing the number of "Lunch Program" students by the 1973-74 school enrollment obtained from the Massachusetts State Department of Education, Division of Research, Planning and Evaluation, Enrollment by Classification, Exhibit II, 1973-74.

The information on students eligible for the "Bilingual Program" was obtained from the Massachusetts State Department of Education, Bureau of Transitional Bilingual Education, Census of Children of Limited English Speaking Ability on October 1, 1973, under Chapter 71A, Act of 1971. This Census of all public school students is conducted each year in order to determine how many students are of limited English speaking ability as defined in Chapter 71A and, thus, eligible for transitional bilingual classes. The "% School Enrollment" was calculated by the MPP support research staff by dividing the number of eligible bilingual students by the 1973-74 school enrollment obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Enrollment by Classification, Exhibit II, 1973-74.

The information on the number of METCO (Metropolitan Council for Educational Opportunities, Inc.) students was obtained from the METCO files, "Unpublished Student Enrollment Records", August, 1974. METCO is a state funded interdistrict transfer program which transports children from Boston to suburban school districts. The "% School Enrollment" was calculated by the MPP support research staff by dividing the number of METCO students by the 1973-74 school enrollment obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Enrollment by Classification, Exhibit II, 1973-74.

This information was obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, 1973-74 Professional Staff Survey. The figures in this table are not always an accurate total of the number of professional staff employed in a school because some staff members may not have filled in a survey. In addition, some staff members may have completed one section of the survey but not another section. As a result, the totals under the "Age", "Years in Present System", and "Position" columns may not be the same. The total number (#) of professional staff recorded in the "Census" column is the largest number of staff found in either the "Age", "Years in Present System", or "Position" categories. The "Total" number of professional staff members may be greater than the total number of "White", "Black", "Spanish Surname", "Asian-American", "Native-American", and "Other" professional staff members because some people who answered this survey did not indicate their racial or ethnic background. An N.A. indicates that this information was not available for the school.

The survey form had 24 different position codes. These positions were reclassified, by the MPP support research staff, under one of these four headings: "Administrators", "Teachers", "Teacher Aides", and "Other Professionals".

"Administrators" include the following positions:

1. Administrative Assistant
2. Assistant Director or Manager
3. Assistant or Vice-Principal
4. Assistant Superintendent
5. Assistant Supervisor
6. Director or Manager (Pupils or Programs)
7. Principal
8. Research
9. Superintendent

"Teachers" include:

1. Itinerant Teacher
2. Special Class Teacher (Handicapped)
3. Specialist (Reading, Speech, etc.)
4. Teacher

"Teacher Aides" include:

1. Teacher Aide

"Other Professionals" include:

1. Attendance Supervisor
2. Chairman or Department Head
3. Counselor
4. Librarian
5. Nurse
6. Other Professional or Technical Personnel
7. Psychologist
8. Psychometrist
9. Social Worker (Adjustment Counselor)
10. Supervisor or Consultant (Staff Improvement)



PAGE 2 - STUDENT ETHNIC CENSUS: 1973-74

This information was obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Enrollment by Classification, Exhibit II, 1973-74. The figures in the "White" column include "White" students and students of racial backgrounds other than "Black", "Native-American", "Asian-American", and "Spanish Surname". "Spanish Surname" students were placed in the "Non-white" category.

PAGE 2 - RACIAL CENSUS: 1967-68; 1970-71; 1972-73

The information on the "Total", "White", and "Non-white" enrollments for these three school years were obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Racial Census, October, 1967; Racial Census, October, 1970; and Racial Census, October, 1972. The Racial Census does not indicate which students were considered "White" and which were considered "Non-white".

PAGE 2 - RACIAL CENSUS: ENROLLMENT CHANGE 1967-1972

These figures were calculated from the previous table by the MPP support research staff. The figures under the number sign (#) column were calculated by subtracting from the "Total", "White" or "Non-white" enrollment for the 1972-73 school year, the "Total", "White" or "Non-white" enrollment for the 1967-68 school year. For example, if the 1972-73 total enrollment was 100 students and the 1967-68 enrollment was 50 students, the enrollment change would be +50(100-50) and this figure would appear in the appropriate box. The figures under the percent(%) column were derived by dividing the difference between the 1972-73 and 1967-68 enrollment by the 1967-68 enrollment. If the difference, for example, between the 1972-73 and 1967-68 enrollments were +50 and the 1967-68 enrollment were 50, the percent change would be +100(50/50). The figures under the "% Change in Proportional Distribution" column were calculated as follows:

The "% White" (or "% Non-white") for 1972-73 was subtracted from the "% White" (or "% Non-white") for 1967-68.

This difference was divided by the "% White" (or "% Non-white") for 1967-68 and this is the figure that was recorded. For example, if the "% White" in 1967-68 was 75% and the "% White" in 1972-73 was 50%, the "% Change in Proportional Distribution" would be calculated as follows:  
$$(50-75)/75 = (-25)/75 = -0.33.$$

Since the percent "Total Enrollment" is always 100%, no "% Change in Proportional Distribution" was calculated or recorded for "Total Enrollment". If there is a percent change from 0 to any number, the "% Change in Proportional Distribution" is mathematically undefined. This is noted by the word "Undefined".

PAGE 2 - FOLLOW-UP OF HIGH SCHOOL GRADUATES: 1968-1972

The information on the post high school placement of 1968 graduates was obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Distribution of Graduating Class, 1969. The number of students in each of the various placement categories may not equal the total number of high school graduates because information on all placements was not available. If there was no information available on high school graduates in a particular school, this is noted by an N.A. in the first column (under the # sign). The information on the 1972 graduates was obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Distribution of High School Graduates, Class of 1972, Fall 1973. The percentages in the 1972 column may not add up to 100% because of rounding. This table is only displayed for high schools; the profiles for elementary and junior high schools do not have this table.

PAGE 2 - ELIGIBLE TRANSITIONAL BILINGUAL STUDENTS: 1973-74

The number of students eligible for a transitional bilingual program was obtained from the Massachusetts State Department of Education, Bureau of Transitional Bilingual Education, Census of Children of Limited English Speaking Ability on October 1, 1973, under Chapter 71A, Act of 1971. This Census of all public school students is conducted each year in order to determine how many students are of limited English speaking ability as defined in Chapter 71A and, thus, eligible for transitional bilingual classes. The "Percent of Bilingual Enrollment" was calculated by the MPP support research staff by dividing the number of students in each language category, such as "Chinese" or "French" by the "Total" number of eligible bilingual students.

Leslie Steven May





## EDUCATIONAL CHARACTERISTICS

NUMBER OF SCHOOLS AND ENROLLMENT By Type of School: 1973-74				
Type of School	Number of Schools	Enrollment		
		Total	White	Non-white
Elementary	7	1,967	1,963	4
Junior High	2	1,542	1,518	24
High School	1	1,134	1,119	15
Special & Ungraded	0			
Regional	0			
Vocational	0			
Total	10	4,643	4,600	43

SCHOOL ATTENDING CHILDREN IN PUBLIC and Non-public Schools					
Year	Total	Public		Non-public	
		#	%	#	%
1967-68	5,249	4,239	80.8	1,010	19.2
1970-71	5,173	4,476	86.5	697	13.5
1972-73	5,006	4,425	88.4	581	11.6

EDUCATIONAL COLLABORATIVE PARTICIPATION 1973-74	
Massachusetts Association of School Business Officials (MASBO);	Metropolitan Planning Project-Approving District
Collaborative Approach to Processing of Teacher Applications (CAPTA);	

1970 CENSUS: SCHOOL ENROLLMENT FOR Level and Type of School by Race (Population 3 - 34 years)									
Level and Type of School	Total		White		Black		Spanish-American		
	#	%	#	%	#	%	#	%	
Nursery School									
Public	46	.7	46	.7	0		0		
Parochial	8	.1	8	.1	0		0		
Private	296	4.7	296	4.7	0		0		
Kindergarten									
Public	266	4.2	266	4.2	0		0		
Parochial	20	.3	20	.3	0		0		
Private	26	.4	26	.4	0		0		
Elementary (1-8)									
Public	2,668	42.6	2,668	42.6	0		43	65.2	
Parochial	395	6.3	395	6.3	0		0		
Private	200	3.2	200	3.2	0		0		
High School (1-4)									
Public	1,430	22.8	1,430	22.5	0		15	22.7	
Parochial	47	.8	47	.8	0		0		
Private	192	3.1	192	3.1	0		0		
College									
Public	237	3.8	237	3.8	0		0		
Private	430	7.0	430	6.9	0		8	12.1	

FEDERALLY-FUNDED PROGRAMS 1973-74		
Program	# of Students	% Total Enrollment
Title I	0	
Title III	0	



EDUCATIONAL CHARACTERISTICS

RACIAL CENSUS: 1967-68; 1970-71; 1972-73					
Years	Total Enrollment	White		Non-white	
		#	%	#	%
1967-1968	4,241	4,217	99.4	24	0.6
1970-1971	4,497	4,453	99.0	44	1.0
1972-1973	4,453	4,415	99.1	38	0.9

RACIAL CENSUS: ENROLLMENT CHANGE 1967-1972				
	#	% Change in Proportional Distribution		
		%	%	
TOTAL	+ 212	+ 5.0		
White	+ 198	+ 4.7	- 0.3	
Non-white	+ 14	+ 58.3	+ 50.0	

STUDENT ETHNIC CENSUS: 1973-74					
		Black	Non-white		
			Native-American	Asian-American	Spanish Surname
Number	4,643	35	0	7	1
Percent	100.0	0.8		0.2	0.0

FOLLOW UP OF HIGH SCHOOL GRADUATES: 1968; 1972					
Post High School Placement	Class of				
	1968		1972		
	#	%	#	%	
4-yr. State College	34	12.0	40	12.2	
4-yr. Other College	118	41.5	151	46.2	
2-yr. State College	20	7.0	14	4.3	
2-yr. Other College	59	20.8	15	4.6	
Nurses Training	4	1.4	3	0.9	
Other Post Secondary	12	4.2	39	11.9	
Military	11	3.9	10	3.1	
Work	19	6.7	40	12.2	
Other	7	2.5	15	4.6	
TOTAL	284	100.0	327	100.0	

ELIGIBLE TRANSITIONAL BILINGUAL STUDENTS: 1973-74		
Language	Number of Students	Percent of Bilingual Enrollment
TOTAL	0	
Chinese		
French		
Greek		
Italian		
Portuguese		
Spanish		
Other		





METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE # 168 MARBLEHEAD

EDUCATIONAL CHARACTERISTICS

PUBLIC SCHOOL STUDENT ENROLLMENTS: 1964 - 1982					
Past Enrollments: 1964 - 1972					
Projected Enrollments: 1973 - 1982					
School Year Beginning in Fall of	Total K-12 (R <sup>2</sup> = .980)	Total K-6 (R <sup>2</sup> = . )	Total 7-12 (R <sup>2</sup> = . )	White K-12 (R <sup>2</sup> = .982)	Non-white K-12 (R <sup>2</sup> = .840 )
1964	3865.00			3865.00	C.C
1965	4016.00			4013.00	3.00000
1966	4111.00			4108.00	3.00000
1967	4241.00			4217.00	24.0000
1968	4315.00			4282.00	33.0000
1969	4396.00			4356.00	40.0000
1970	4493.00			4449.00	44.0000
1971	4516.00			4470.00	46.0000
1972	4453.00			4415.00	38.0000
1973	4536.04			4487.73	57.2500
1974	4554.90			4504.10	62.5667
1975	4568.92			4516.64	69.8833
1976	4579.66			4526.23	76.2000
1977	4587.89			4533.55	82.5166
1978	4594.18			4539.14	88.8333
1979	4598.99			4543.40	95.1500
1980	4602.66			4546.65	101.467
1981	4605.47			4549.13	107.733
1982	4607.61			4551.01	114.100





METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE # 168 MARBLEHEAD

EDUCATIONAL CHARACTERISTICS

NUMBER OF TEACHERS BY RACE: 1972-73												
Total	White		Non-White		Non-white							
	#	%	#	%	Black		Asian-American		Native-American		Spanish Surname	
					#	%	#	%	#	%	#	%
223	220	98.7	3	1.3	1	0.4	0		0		2	0.9

NUMBER OF TEACHERS, TEACHER AIDES AND OTHER PROFESSIONAL STAFF: 1973-74															
Staff Status	Total	White		Non-white		Non-white					Spanish Surname		Other		
		#	%	#	%	Black		Asian-American		Native-American		#	%	#	%
						#	%	#	%	#	%				
Teachers	227	224	98.7	3	1.3	0		1	0.4	0		2	0.9	0	
Teacher Aides	40	40	100.0	0											
Other Professional Staff	51	49	96.1	2	3.9	2	3.9	0		0		0		0	
Total	318	313	98.4	5	1.6	2	0.6	1	0.3	0		2	0.6	0	



METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE # 168 MARBLEHEAD

EDUCATIONAL CHARACTERISTICS

SELECTED FINANCIAL CHARACTERISTICS								
Year	% Municipal Tax Spent on Education	Comprehensive Per Pupil Expenditure (in \$)				Public School Attending Children Transported at Public Expense		Computative Equalized Property Valuation per School Attending Child (in \$)
		Total	Elementary School	Junior High School	High School	Public School Attending Children Transported at Public Expense		
						#	%	
1967-68	N.A.	628	486	705	894	408	9.6	28,958
1970-71	48.7	942	766	935	1,352	787	17.6	37,696
1972-73	55.6	1,081	924	1,087	1,385	759	17.2	43,148

1973 TAX RATE	
Official	Equalized
44.50	41.83

1973 SCHOOL TAX RATE	
Official	Equalized
24.53	23.06

1973 MOODY'S BOND RATING	
	Aa

PUBLIC SCHOOL STUDENTS Receiving Subsidized Lunches: 1973-74		
	# of Lunch Program Students	% of Total Enrollment
TOTAL	125	2.7
Free	125	2.7
Reduced Price	0	

STUDENTS ENROLLED IN METCO		
Year	# METCO Students	% of Total Enrollment
1967-68	20	0.5
1970-71	36	0.8
1972-73	38	0.9
1973-74	40	0.9





## EDUCATIONAL CHARACTERISTICS

PERCENT DISTRIBUTION OF SCHOOL REVENUES: 1967-68; 1970-71; 1972-73									
Year	Total Public School Funds Provided *	Local Sources		Commonwealth Sources		Federal Sources		Other School Districts	
		\$	%	\$	%	\$	%	\$	%
1967-68	3,271,535	2,871,472	87.8	33,211	10.2	81,532	2.5	0	
1970-71	4,977,889	4,259,626	85.6	552,257	11.1	139,074	2.8	0	
1972-73	5,741,969	4,597,189	80.1	997,556	17.4	144,677	2.5	0	

Notes: \*The amount of Total Public School Funds Provided is not necessarily equal to the total of the Local, Commonwealth, Federal, and Other School District revenues because the total incorporates an adjustment figure reported in the annual budget for the beginning and ending balance.

ABSOLUTE DOLLAR AND PERCENT CHANGES IN REVENUES: 1967-72									
Changes in Public School Funds Provided 1967-72	Total	Local Sources		Commonwealth Sources		Federal Sources		Other School Districts	
		\$	%	\$	%	\$	%	\$	%
2,470,434	75.5	1,725,717	60.1	964,345	2903.7	63,145	77.4	0	0.0

PERCENT CHANGE IN PROPORTIONAL DISTRIBUTION OF REVENUES: 1967-72				
% Change in Proportional Distribution of Revenue 1967-72	Local Sources		Commonwealth Sources	Other School Districts
	- 8.8		70.6	0.0





METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE # 168 MARBLEHEAD

EDUCATIONAL CHARACTERISTICS

EDUCATIONAL CHARACTERISTICS															
PERCENT DISTRIBUTION OF SCHOOL EXPENDITURES: 1967-68; 1970-71; 1972-73															
Year	Total Public School Funds Applied	Expenditures by School Committee					Expenditures for Services provided by Agencies		Expenditures for Regional School Assessments		Expenditures of Federal Funds		Expenditures of Revolving Funds		
		Administration		Instruction		Other*		\$	%	\$	%	\$	%	\$	%
		\$	%	\$	%	\$	%								
1967-68	3,271,535	63,750	1.9	2,098,097	64.2	483,618	14.8	449,330	13.7	0		29,343	0.9	147,397	4.5
1970-71	4,977,889	88,172	1.8	3,333,993	67.0	733,098	14.7	640,659	12.9	0		40,284	0.8	141,683	2.8
1972-73	5,741,969	145,840	2.5	3,786,071	65.9	865,177	15.1	630,573	11.0	0		68,231	1.2	246,077	4.3

ABSOLUTE DOLLAR AND PERCENT CHANGES IN EXPENDITURES: 1967-72															
Changes in Public School Funds Expended 1967-72	Total Public School Funds Applied  \$	Expenditures by School Committee				Expenditures for Services provided by Other Municipal Agencies		Expenditures for Regional School Assessments		Expenditures of Federal Funds		Expenditures of Revolving Funds			
		Administration		Instruction		Other*		\$	%	\$	%	\$	%		
		\$	%	\$	%	\$	%								
	2,470,434	82,090	128,811	687,974	80.5	381,559	78.9	181,243	40.3	0	0.0	38,888	132.5	98,680	66.9

PERCENT CHANGE IN PROPORTIONAL DISTRIBUTION OF EXPENDITURES: 1967-72									
Percent Change in Proportional Distribution of Expenditures 1967-72	Expenditures by School Committee			Expenditures for Services provided by Other Municipal Agencies	Expenditures for Regional School Assessments	Expenditures of Federal Funds	Expenditures of Revolving Funds		
	Administration	Instruction	Other*						
	31.6		2.6	2.0	-19.7	0.0	33.3	-4.4	
							other student-body		

Note: \*Other includes the following categories: attendance, health service, pupil transportation, food services, athletics, other student-body activities, operation and maintenance of plant, fixed charges, community services, acquisitions of fixed assets, debt retirement and debt services, and programs with other districts.



## EDUCATIONAL CHARACTERISTICS

1970 CENSUS: COUNT OF PERSONS 25 YEARS OF AGE AND OVER BY RACE AND YEARS OF SCHOOL COMPLETED									
Level and Years of School Completed	Total Population		White		Black		Spanish-American		
	#	%	#	%	#	%	#	%	
No School Year Completed	66	0.5	66	0.5	0		0		
Elementary: 1-4 years	40	0.3	40	0.3	0		0		
5-6 years	178	1.4	178	1.4	0		0		
7 years	111	0.9	111	0.9	0		0		
8 years	400	3.1	400	3.1	0		0		
High School: 1-3 years	1,102	8.5	1,089	8.4	13	61.9	14	12.4	
4 years	4,270	33.1	4,270	33.1	0		48	42.5	
College: 1-3 years	2,726	21.1	2,722	21.1	4	19.0	19	16.8	
4 years	2,465	19.1	2,461	19.1	4	19.0	12	10.6	
5 years or more	1,561	12.1	1,561	12.1	0		20	17.7	
Total	12,919	100.0	12,898	100.0	21	100.0	113	100.0	

MEDIAN SCHOOL YEARS COMPLETED			
Total Population	White	Black	Spanish-American
13.2	13.2	10.6	12.8





## DEMOGRAPHIC CHARACTERISTICS

1970 CENSUS: FERTILITY RATIO BY RACE	
Total Population	1.456:1
White	1.459:1
Black	.454:1
Spanish-American	1.645:1

CENSUS POPULATION INCREASE OR DECREASE: 1960-1970	
1960-70	
Increase (+) or Decrease (-)	+2,774
% Change 1960-70	
Increase (+) or Decrease (-)	+15.0
Balance of Births to Deaths	
Excess of Births (+) Excess of Deaths (-)	+1,514
Net Migration	
Excess of People Moving In (+) Excess of People Moving Out (-)	+1,260





DEMOGRAPHIC CHARACTERISTICS

1970 CENSUS: , Number of Families by Sex of Family Head				
Family Head	Total Population	White	Black	Spanish-American
Male	5,143	5,139	4	47
Female	530	530	0	0
Total	5,673	5,669	4	47

1970 CENSUS: Household Population by Race		
Race	Total Population #	Population in Households %
White	21,231	99.7
Black	28	N.A.
Other	36	N.A.
Total	21,295	100.0

1970 CENSUS: AGE DISTRIBUTION BY RACE									
Age	Total	White		Non-white		Non-white			
		#	%	#	%	Black		Other	
						#	%	#	%
Under 5	1,553	1,549	7.3	4	6.2	0		4	10.8
5 - 9	1,960	1,953	9.2	8	12.3	1		7	18.9
10 - 14	2,051	2,045	9.6	6	9.2	2		4	10.8
15 - 19	1,647	1,641	7.7	6	9.2	1		5	13.5
20 - 24	1,165	1,162	5.5	3	4.6	2		1	2.7
25 - 44	5,349	5,328	25.1	21	32.3	9		12	32.4
45 - 64	4,974	4,962	23.4	12	18.5	9		3	8.1
65 and Over	2,596	2,591	12.2	5	7.7	4		1	2.7
Total	21,295	21,231	100.0	65	100.0	28		36	100.0



DEMOGRAPHIC CHARACTERISTICS

1970 CENSUS: NATIVITY AND PARENTAGE					
Nativity	Total Population		White	Black	Spanish-American
	#	%	#	#	#
Native of Native Parent	15,712	73.8	15,690	22	107
Foreign Stock	5,583	26.2	5,561	22	87
Total	21,295	100.0	21,251	44	194

1970 CENSUS: MOST FREQUENT COUNTRY of Origin of Foreign Stock			
Country of Origin	# of Persons	% Foreign Stock	% Foreign Stock
U.S.S.R.	1,331	23.8	
Canada	1,260	22.6	
United Kingdom	723	13.0	
Ireland	436	7.8	

1970 CENSUS: SPANISH POPULATION INDICATORS			
Indicators	# of Persons	% of Total Population	
Spanish Origin or Descent	0		
Puerto Rican Birth or Parentage	15	0.1	
Spanish Language	194	0.9	

1970 CENSUS: MOST FREQUENT MOTHER TONGUES Other Than English			
Mother Tongue	# of Persons	% of Total Population	
Yiddish	1,188	5.6	
French	326	1.5	
Italian	301	1.4	
German	250	1.2	





## ECONOMIC CHARACTERISTICS

1970 CENSUS: NUMBER OF EMPLOYED PERSONS 16 YEARS OLD AND OVER BY OCCUPATION									
Occupation	Total Persons Employed		White		Black		Spanish-American		
	#	%	#	%	#	%	#	%	
Professional, Technical and Kindred Workers	2,304	26.8	2,300	26.9	4	15.4	30	40.5	
Managers and Administrators, except Farm	1,550	18.1	1,550	18.1	0		22	29.7	
Sales Workers	1,163	13.6	1,163	13.6	0		9	12.2	
Clerical and Kindred Workers	1,638	19.1	1,634	19.1	4	15.4	6	8.1	
Craftsmen, Foremen and Kindred Workers	655	7.6	655	7.7	0		0		
Operatives, except Transport	402	4.7	402	4.7	0		0		
Transport Equipment Operatives	96	1.1	96	1.1	0		0		
Laborers, except Farm	127	1.5	127	1.5	0		0		
Farmers and Farm Managers	0		0		0		0		
Farm Laborers and Foremen	0		0		0		0		
Service Workers, except Private Household	559	6.5	559	6.5	0		0		
Private Household Workers	88	1.0	70	0.8	18	69.2	7	9.5	
Total	8,582	100.0	8,556	100.0	26	100.0	74	100.0	





METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE # 168 MARBLEHEAD

ECONOMIC CHARACTERISTICS

MEDIAN INCOME: 1960 CENSUS; 1970 CENSUS							
Year	Families			Unrelated Individuals			
	All	White	Black	Spanish-American	All	White	Black
1960	\$8,295	N.A.	N.A.	N.A.	\$2,744	N.A.	N.A.
1970	\$14,220	\$14,214	\$37,500	\$18,510	\$5,110	\$5,181	\$499.50
							\$3,000

1970 CENSUS: EMPLOYMENT STATUS BY RACE of Persons 16 Years of Age and Over in Labor Force									
Employment Status	Total Population		White		Black		Spanish-American		
	#	%	#	%	#	%	#	%	%
Employed	8,582	97.3	8,556	97.2	26	100.0	74	92.5	
Unemployed	242	2.7	242	2.8	0		6	7.5	
Total	8,824	100.0	8,798	100.0	26	100.0	80	100.0	



ECONOMIC CHARACTERISTICS

1970 CENSUS: Number of Persons in Families and Number of Unrelated Individuals with Income Less Than Poverty Level								
Family Status	Total Population		White		Black		Spanish-American	
	#	%	#	%	#	%	#	%
Persons in Families	587	58.5	587	59.5	0		0	
Unrelated Individuals	417	41.5	399	40.5	18	100.0	0	
Total	1,004	100.0	986	100.0	18	100.0	0	

1970 CENSUS: Number of Related Children Under 18 in Families Below Poverty Level by Presence of Parents								
Parental Presence	Total Population		White		Black		Spanish-American	
	#	%	#	%	#	%	#	%
Living with Both Parents	117	1.7	117	1.7	0		0	
Other	107	1.6	107	1.6	0		0	
Total	224	3.3	224	3.3	0		0	





METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE # 168 MARBLEHEAD

ECONOMIC CHARACTERISTICS

CHARACTERISTICS OF INDUSTRIAL FIRMS: 1967					
Industry	Number of Firms	Annual Payroll in \$	Average Number of Employees	Average Annual Wage in \$	
Agriculture and Mining	0	0	0	0	
Construction	48	140,031	198	7,071	
Manufacturing	32	2,882,821	511	5,642	
Transportation, Communication, and Utilities	10	358,843	70	5,126	
Wholesale and Retail Trade	106	3,254,284	717	4,539	
Finance, Insurance, Real Estate	16	402,770	81	4,972	
Service Industries	85	1,748,099	474	3,688	
Total	297	10,046,848	2,051	4,899	



## ECONOMIC CHARACTERISTICS

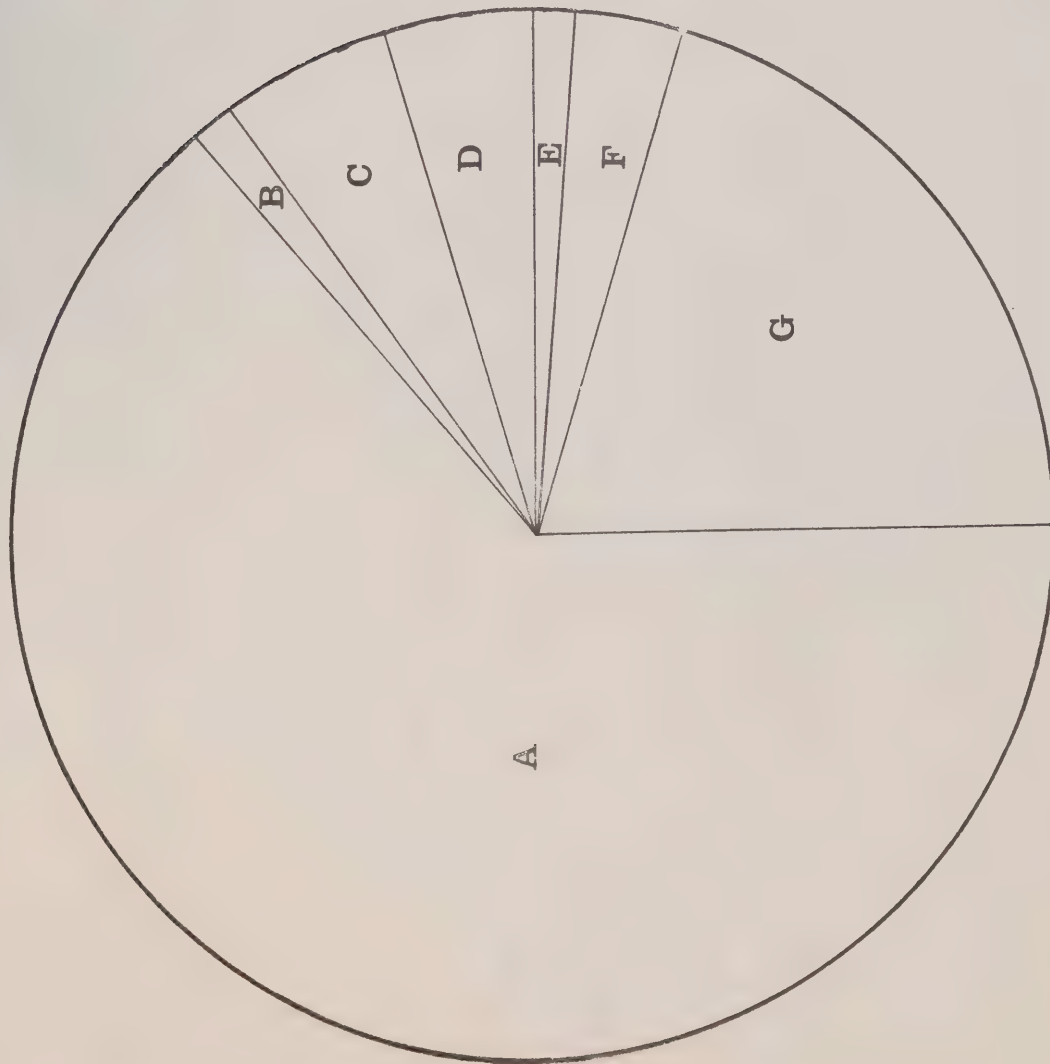
CHARACTERISTICS OF INDUSTRIAL FIRMS: 1972					
Industry	Number of Firms	Annual Payroll in \$	Average Number of Employees	Average Annual Wage in \$	
Agriculture and Mining	2	112,108	19	5,900	
Construction	44	2,363,672	226	10,459	
Manufacturing	32	4,733,458	663	7,139	
Transportation, Communication, and Utilities	8	508,084	71	7,156	
Wholesale and Retail Trade	119	4,605,437	883	5,216	
Finance, Insurance, Real Estate	24	647,346	97	6,673	
Service Industries	105	2,923,848	556	5,259	
Total	334	15,893,913	2,514	6,322	





1971 LAND USE PATTERN IN

# MARBLEHEAD



LAND USE		%
A	RESIDENTIAL	63.9
B	COMMERCIAL	1.4
C	RECREATIONAL	5.3
D	PUBLIC INSTITUTIONS	4.5
E	INDUSTRIAL	1.3
F	VACANT LAND	3.3
G	OTHER:	20.3

Transportation  
 Disposal Sites, Extractive  
 Agricultural and Forest  
 Water and Wetlands



HOUSING CHARACTERISTICS

1970 CENSUS: SELECTED HOUSING CHARACTERISTICS												
Total Housing Units				Occupied Housing Units					Median Value Owner Occupied Unit		Median Contract Rent	
Total		Vacant		Occupied		Total		Owner Occupied		Renter Occupied		
#	%	#	%	#	%	#	%	#	%	#	%	\$
7,599	100.0	443	5.8	7,156	94.2	7,156	100.0	5,170	72.2	1,986	27.8	32,200
												\$
												137

1970 CENSUS: NUMBER OF HOUSING UNITS by Occupancy Status and Race of Head of Household							
Occupancy Status	Total		White Head of Household		Black Head of Household		
	#	%	#	%	#	%	
Owner Occupied	5,170	69.9	5,163	72.3	2	40.0	
Renter Occupied	1,986	26.8	1,980	27.7	3	60.0	
Vacant Year Round	242	3.3	Not Applicable				
Total	7,398	100.0	7,143	100.0	5	100.0	

BUILDING PERMITS ISSUED FOR NEW Dwelling Units: 1960-1971	
Year Issued	Number
1960-1964	558
1965-1970	721
1971	129
Total	1,408





METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE # 168 MARBLEHAFAD

HOUSING CHARACTERISTICS

NUMBER OF SUBSIDIZED HOUSING UNITS BY TYPE OF UNIT BY CONSTRUCTION STATUS: 1973									
Status	Total Subsidized Units	Low Income Units			Moderate Income Units			MHFA Low-Moderate Income Units	
		Elderly	Family	Leased	Elderly	Family Homeownership	Rental Assistance	Low	Moderate
Completed	210	134	76	0	0	0	0	0	0
Under Construction	0								
In Planning	48	48	0	0	0	0	0	0	0

1970 CENSUS: AGE OF HOUSING UNITS									
Year Built	Total Housing Units		Black Occupied Housing Units		Other Occupied Housing Units		Spanish-American Occupied Housing Units		
	#	%	#	%	#	%	#	%	%
1965-March 1970	707	9.5							
1960-1964	553	7.4							
1950-1959	1,335	18.0							
1940-1949	653	8.8							
1939 or earlier	4,181	56.3							
Total	7,429	100.0	N.A.		N.A.		N.A.		N.A.



METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE # 168 MARBLEHEAD

HOUSING CHARACTERISTICS

1970 CENSUS: NUMBER OF PERSONS PER ROOM IN OCCUPIED HOUSING UNITS by Race of Head of Household						
Persons per Room	Total Occupied Units		Black Occupied Units		Other Occupied Units	
	#	%	#	%	#	%
1.00 or less	7,040	98.4				
1.01 to 1.50	105	1.5				
1.51 or more	11	0.2				
Total	7,156	100.0	N.A.		N.A.	

1970 CENSUS: TYPE OF HOUSING STRUCTURE			
Type	# of Structures	% of Housing Units	
1 Unit	5,297	71.3	
2 Units	882	11.9	
3-4 Units	622	8.4	
5-9 Units	337	4.5	
10 or more Units	291	3.9	
Mobile Home or Trailer	0		
Total	7,429	100.0	

1970 CENSUS: Average Number of Persons per Housing Unit	
Total Occupied Housing Units	2.9
Black Occupied Housing Units	N.A.
Other Occupied Housing Units	N.A.
Spanish-American Occupied Housing Units	3.8





HOUSING CHARACTERISTICS

1970 CENSUS: VALUE OF OWNER OCCUPIED HOUSING UNITS BY RACE OF HEAD OF HOUSEHOLD									
	Total Owner Occupied Units		Black Owner Occupied Units		Other Owner Occupied Units		Spanish-American Owner Occupied Units		
	#	%	#	%	#	%	#	%	
Less than \$5,000	6	0.1							
\$5,000 - \$7,499	9	0.2							
\$7,500 - \$9,999	19	0.4							
\$10,000 - \$12,499	50	1.1							
\$12,500 - \$14,999	65	1.4							
\$15,000 - \$17,499	162	3.4							
\$17,500 - \$19,999	236	5.0							
\$20,000 - \$24,999	612	13.0							
\$25,000 - \$34,999	1,593	33.8							
\$35,000 - \$49,999	1,197	25.4							
\$50,000 and over	768	16.3							
Total	4,717	100.0	N.A.		N.A.		N.A.		



METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE # 168 MARBLEHEAD

HOUSING CHARACTERISTICS

1970 CENSUS: MONTHLY GROSS RENT BY RACE OF HEAD OF HOUSEHOLD									
Monthly Gross Rent	Total Renter Occupied Units		Black Renter Occupied Units		Other Renter Occupied Units		Spanish-American Renter Occupied Units		
	#	%	#	%	#	%	#	%	
Less than \$30	0								
\$30 - \$49	16	0.8							
\$50 - \$69	144	7.3							
\$70 - \$89	90	4.5							
\$90 - \$119	327	16.5							
\$120 - \$149	354	17.8							
\$150 - \$199	540	27.2							
\$200 - \$249	178	9.0							
\$250 - \$299	116	5.8							
\$300 or more	122	6.1							
No Cash Rent	99	5.0							
Total	1,986	100.0	N.A.		N.A.		N.A.		





METROPOLITAN PLANNING PROJECT/INDIVIDUAL SCHOOL PROFILE

1973-74		School District # 168	
School District: Marblehead		School # 005	
School Name: Malcolm L. Bell			
No. & Street: 40 Baldwin			
City, State, Zip: Marblehead, Mass. 01945			
Grade Organization: K-6			
Facilities:			
Initial Construction Date: 1958			
Dates of Additions or Changes: 1970			
# Rooms, Instructional Use: 28			
# Rooms, Other Uses: 18			
TOTAL 46			
Federal Programs			
Title I:			
Type of Program:			
# of Students:		0	
% School Enrollment:			
Lunch Program:			
# Students, Free:		16	
# Students, Reduced Price:		0	
TOTAL		16	
% School Enrollment:		3.5	
Bilingual Program:			
# Eligible Students:		0	
% School Enrollment:			
METCO Interdistrict Program:			
# Students:		0	
% School Enrollment:			

1973-74		School District: Marblehead	
School Name: Malcolm L. Bell			
No. & Street: 40 Baldwin			
City, State, Zip: Marblehead, Mass. 01945			
Grade Organization: K-6			
Facilities:			
Initial Construction Date: 1958			
Dates of Additions or Changes: 1970			
# Rooms, Instructional Use: 28			
# Rooms, Other Uses: 18			
TOTAL 46			

STAFF ETHNIC CENSUS: 1973-74													
Professional Staff	Census		Age				Years in Present System			Position			
	#	%	Under 26	26-34	35-55	56 & Over	Under 3	3-9	10 & Over	Administrators	Teachers	Teacher Aides	Other Professionals
TOTAL	26	100.0	3	9	11	3	4	12	10	1	23	1	1
White	24	92.3	3	7	11	3	3	11	10	1	21	1	1
Black	0		0	0	0	0	0	0	0	0	0	0	0
Spanish Surname	0		0	0	0	0	0	0	0	0	0	0	0
Asian-American	0		0	0	0	0	0	0	0	0	0	0	0
Native-American	1	3.8	0	1	0	0	1	0	0	0	1	0	0
Other	1	3.8	0	1	0	0	0	1	0	0	1	0	0



School District # 168  
School # 005

STUDENT ETHNIC CENSUS: 1973-74							
	Total	White	Non-white	Non-white			Spanish Surname
				Black	Native-American	Asian-American	
Number	455	455	0	0	0	0	0
Percent	100.0	100.0					

RACIAL CENSUS: 1967-68, 1970-71, 1972-73					
Years	Total Enrollment	White		Non-white	
		#	%	#	%
1967-1968	204	204	100.0	0	
1970-1971	635	632	99.5	3	0.5
1972-1973	611	609	99.7	2	0.3

RACIAL CENSUS: ENROLLMENT CHANGE 1967-1972			
	#	%	% Change in Proportional Distribution
TOTAL	+407		+199.5
White	+405		+198.5
Non-white	+2		Undefined
			-0.3
			Undefined

ELIGIBLE TRANSITIONAL BILINGUAL STUDENTS: 1973-74		
Language	Number of Students	Percent of Bilingual Enrollment
TOTAL	0	
Chinese		
French		
Greek		
Italian		
Portuguese		
Spanish		
Other		





School District # 168  
School # 010

1973-74  
School District: Marblehead  
School Name: L.H. Coffin  
No. & Street: Turner Road  
City, State, Zip: Marblehead, Mass. 01945  
Grade Organization: K-5  
Facilities:  
Initial Construction Date: 1949  
Dates of Additions or Changes: 1962  
# Rooms, Instructional Use: 16  
# Rooms, Other Uses: 19  
TOTAL 35

1973-74 Federal Programs	
Title I:	
Type of Program:	
# of Students:	0
% School Enrollment:	
Lunch Program:	
# Students, Free:	15
# Students, Reduced Price:	0
TOTAL	15
% School Enrollment:	4.1
Bilingual Program:	
# Eligible Students:	0
% School Enrollment:	
METCO Interdistrict Program:	
# Students:	0
% School Enrollment:	

[illegible]



School District # 168  
School # 010

STUDENT ETHNIC CENSUS: 1973-74					
	Total	White	Non-white	Non-white	
				Black	Native-American
					Asian-American
					Spanish Surname
Number	366	366	0	0	0
Percent	100.0	100.0			

RACIAL CENSUS: 1967-68, 1970-71, 1972-73					
Years	Total Enrollment	White		Non-white	
		#	%	#	%
1967-1968	445	445	100.0	0	
1970-1971	440	440	100.0	0	
1972-1973	390	390	100.0	0	

RACIAL CENSUS: ENROLLMENT CHANGE 1967-1972			
	#	%	% Change in Proportional Distribution
TOTAL	-55	-12.4	
White	-55	-12.4	0.0
Non-white	0	0.0	0.0

ELIGIBLE TRANSITIONAL BILINGUAL STUDENTS: 1973-74		
Language	Number of Students	Percent of Bilingual Enrollment
TOTAL	0	
Chinese		
French		
Greek		
Italian		
Portuguese		
Spanish		
Other		





School District # 168  
School # 015

1973-74  
School District: Marblehead  
School Name: Elbridge Gerry  
No. & Street: Elm  
City, State, Zip: Marblehead, Mass. 01945  
Grade Organization: K-3  
Facilities:  
Initial Construction Date: 1906  
Dates of Additions or Changes:  
# Rooms, Instructional Use: 11  
# Rooms, Other Uses: 7  
TOTAL 18

1973-74	
Federal Programs	
Title I:	
Type of Program:	
# of Students:	0
% School Enrollment:	
Lunch Program:	
# Students, Free:	2
# Students, Reduced Price:	0
TOTAL	2
% School Enrollment:	1.1
Bilingual Program:	
# Eligible Students:	0
% School Enrollment:	
METCO Interdistrict Program:	
# Students:	0
% School Enrollment:	

[illegible]



STUDENT ETHNIC CENSUS: 1973-74						
	Total	White	Non-white	Non-white		
				Black	Native-American	Asian-American
Number	177	176	1	0	0	1
Percent	100.0	99.4	0.6			0.6
						Spanish Surname
						0

School District # 168  
School # 015

RACIAL CENSUS: 1967-68, 1970-71, 1972-73					
Years	Total Enrollment	White		Non-white	
		#	%	#	%
1967-1968	237	233	98.3	4	1.7
1970-1971	188	187	99.5	1	0.5
1972-1973	196	196	100.0	0	

RACIAL CENSUS: ENROLLMENT CHANGE 1967-1972			
	#	%	% Change in Proportional Distribution
TOTAL	-41	-17.3	
White	-37	-15.9	+1.7
Non-white	-4	-100.0	-100.0

ELIGIBLE TRANSITIONAL BILINGUAL STUDENTS: 1973-74		
Language	Number of Students	Percent of Bilingual Enrollment
TOTAL	0	
Chinese		
French		
Greek		
Italian		
Portuguese		
Spanish		
Other		





School District # 168  
School # 020

1973-74  
School District: Marblehead  
School Name: Glover  
No. & Street: 9 Mable  
City, State, Zip: Marblehead, Mass. 01945  
Grade Organization: K-5  
Facilities:  
Initial Construction Date: 1906  
Dates of Additions or Changes:  
# Rooms, Instructional Use: 23  
# Rooms, Other Uses: 14  
TOTAL 37

1973-74	
Federal Programs	
Title I:	
Type of Program:	
# of Students:	0
% School Enrollment:	
Lunch Program:	
# Students, Free:	19
# Students, Reduced Price:	0
TOTAL	19
% School Enrollment:	4.4
Bilingual Program:	
# Eligible Students:	0
% School Enrollment:	
METCO Interdistrict Program:	
# Students:	0
% School Enrollment:	

[illegible]



School District # 168  
School # 020

STUDENT ETHNIC CENSUS: 1973-74					
	Total	White	Non-white	Non-white	
				Black	Native-American Asian-American Spanish Surname
Number	436	436	0	0	0
Percent	100.0	100.0			

RACIAL CENSUS: ENROLLMENT CHANGE 1967-1972				
	#	%	% Change in Proportional Distribution	
TOTAL	-93	-15.7		
White	-93	-15.7		0.0
Non-white	0	0.0		0.0

RACIAL CENSUS: 1967-68, 1970-71, 1972-73					
Years	Total Enrollment		Non-white		
	#	%	#	%	%
1967-1968	592	100.0	0		
1970-1971	507	100.0	0		
1972-1973	499	100.0	0		

ELIGIBLE TRANSITIONAL BILINGUAL STUDENTS: 1973-74		
Language	Number of Students	Percent of Bilingual Enrollment
TOTAL	0	
Chinese		
French		
Greek		
Italian		
Portuguese		
Spanish		
Other		





School District # 168  
School # 025

1973-74	
School District:	Marblehead
School Name:	Dr. Samuel C. Eveleth
No. & Street:	Brook Road
City, State, Zip:	Marblehead, Mass. 01945
Grade Organization:	K-3
Facilities:	
Initial Construction Date:	1957
Dates of Additions or Changes:	
# Rooms, Instructional Use:	8
# Rooms, Other Uses:	7
TOTAL	15

1973-74	
Federal Programs	
Title I:	
Type of Program:	
# of Students:	0
% School Enrollment:	
Lunch Program:	
# Students, Free:	5
# Students, Reduced Price:	0
TOTAL	5
% School Enrollment:	2.7
Bilingual Program:	
# Eligible Students:	0
% School Enrollment:	
METCO Interdistrict Program:	
# Students:	0
% School Enrollment:	

[illegible]



School District # 168  
School # 025

STUDENT ETHNIC CENSUS: 1973-74							
	Total	White	Non-white	Non-white			
				Black	Native-American	Asian-American	Spanish Surname
Number	184	183	1	0	0	1	0
Percent	100.0	99.5	0.5			0.5	

RACIAL CENSUS: ENROLLMENT CHANGE 1967-1972			
	#	%	% Change in Proportional Distribution
TOTAL	-46	-21.5	
White	-46	-21.5	0.0
Non-white	0	0.0	0.0

RACIAL CENSUS: 1967-68, 1970-71, 1972-73					
Years	Total En- rollment	White		Non-white	
		#	%	#	%
1967- 1968	214	214	100.0	0	
1970- 1971	189	189	100.0	0	
1972- 1973	168	168	100.0	0	

ELIGIBLE TRANSITIONAL BILINGUAL STUDENTS: 1973-74		
Language	Number of Students	Percent of Bilingual Enrollment
TOTAL	0	
Chinese		
French		
Greek		
Italian		
Portuguese		
Spanish		
Other		





## METROPOLITAN PLANNING PROJECT/INDIVIDUAL SCHOOL PROFILE

1973-74 Federal Programs		School District # 168 School # 030
Title I:		
Type of Program:		
# of Students:		0
% School Enrollment:		
Lunch Program:		
# Students, Free:		19
# Students, Reduced Price:		0
TOTAL		19
% School Enrollment:		8.9
Bilingual Program:		
# Eligible Students:		0
% School Enrollment:		
METCO Interdistrict Program:		
# Students:		0
% School Enrollment:		

1973-74  
School District: Marblehead  
School Name: Samuel Roads Jr.  
No. & Street: 28 Rowland  
City, State, Zip: Marblehead, Mass. 01945  
Grade Organization: K-3  
Facilities:  
Initial Construction Date: 1904  
Dates of Additions or Changes:  
# Rooms, Instructional Use: 10  
# Rooms, Other Uses: 8  
TOTAL 18

[illegible]



School District # 168  
School # 030

STUDENT ETHNIC CENSUS: 1973-74						
	Total	White	Non-white	Non-white		
				Black	Native-American	Asian-American Spanish Surname
Number	213	212	1	0	0	1 0
Percent	100.0	99.5	0.5			0.5

RACIAL CENSUS: 1967-68, 1970-71, 1972-73						
Years	Total Enrollment	White		Non-white		% Change in Proportional Distribution
		#	%	#	%	
1967-1968	237	237	100.0	0		
1970-1971	197	194	98.5	3	1.5	
1972-1973	190	188	98.9	2	1.1	

RACIAL CENSUS: ENROLLMENT CHANGE 1967-1972				
	#	%		
TOTAL	-47	-19.8		
White	-49	-20.7		
Non-white	2	Undefined		

ELIGIBLE TRANSITIONAL BILINGUAL STUDENTS: 1973-74		
Language	Number of Students	Percent of Bilingual Enrollment
TOTAL	0	
Chinese		
French		
Greek		
Italian		
Portuguese		
Spanish		
Other		





School District # 168  
School # 035

1973-74  
School District: Marblehead  
School Name: Story  
No. & Street: 140 Elm  
City, State, Zip: Marblehead, Mass. 01945  
Grade Organization: 3-5  
Facilities:  
Initial Construction Date: 1880  
Dates of Additions or Changes:  
# Rooms, Instructional Use: 9  
# Rooms, Other Uses: 7  
TOTAL 16

1973-74 Federal Programs	
Title I:	
Type of Program:	_____
# of Students:	0
% School Enrollment:	_____
Lunch Program:	_____
# Students, Free:	6
# Students, Reduced Price:	0
TOTAL	6
% School Enrollment:	4.4
Bilingual Program:	_____
# Eligible Students:	0
% School Enrollment:	_____
METCO Interdistrict Program:	_____
# Students:	0
% School Enrollment:	_____

[illegible]



STUDENT ETHNIC CENSUS: 1973-74						
Total		White	Non-white	Black	Native-American	Asian-American
Number	136	135	1	0	0	0
Percent	100.0	99.3	0.7			
						Spanish Surname
						1
						0.7

School District # 168  
School # 035

RACIAL CENSUS: ENROLLMENT CHANGE 1967-1972			
	#	%	% Change in Proportional Distribution
TOTAL	-42	-20.7	
White	-44	-21.7	-1.2
Non-white	2	Undefined	Undefined

RACIAL CENSUS: 1967-68, 1970-71, 1972-73				
Years	Total Enrollment	White	Non-white	
1967-1968	203	# 203	# 0	% 100.0
1970-1971	160	159	1	99.4
1972-1973	161	159	2	98.8
				1.2

ELIGIBLE TRANSITIONAL BILINGUAL STUDENTS: 1973-74		
Language	Number of Students	Percent of Bilingual Enrollment
TOTAL	0	
Chinese		
French		
Greek		
Italian		
Portuguese		
Spanish		
Other		





School District # 168  
School # 040

1973-74  
School District: Marblehead  
School Name: Seaside  
No. & Street: 80 Atlantic Ave.  
City, State, Zip: Marblehead, Mass. 01945  
Grade Organization: 6  
Facilities:  
Initial Construction Date: 1949  
Dates of Additions or Changes: 1958  
# Rooms, Instructional Use: 19  
# Rooms, Other Uses: 16  
TOTAL 35

1973-74 Federal Programs	
Title I:	
Type of Program:	
# of Students:	0
% School Enrollment:	
Lunch Program:	
# Students, Free:	9
# Students, Reduced Price:	0
TOTAL	9
% School Enrollment:	2.4
Bilingual Program:	
# Eligible Students:	0
% School Enrollment:	
METCO Interdistrict Program:	
# Students:	0
% School Enrollment:	

[illegible]



		STUDENT ETHNIC CENSUS: 1973-74						
		Total	White	Non-white	Non-white			
					Black	Native-American	Asian-American	Spanish Surname
Number		368	366	2	1	0	1	0
Percent		100.0	99.5	0.5	0.3		0.3	

School District # 168  
School # 040

RACIAL CENSUS: 1967-68, 1970-71, 1972-73						
Years	Total Enrollment	White		Non-white		
		#	%	#	%	
1967-1968	N.A.					
1970-1971	N.A.					
1972-1973	N.A.					

RACIAL CENSUS: ENROLLMENT CHANGE 1967-1972				
	#	%	% Change in Proportional Distribution	
TOTAL	N.A.			
White	N.A.			
Non-white	N.A.			

ELIGIBLE TRANSITIONAL BILINGUAL STUDENTS: 1973-74		
Language	Number of Students	Percent of Bilingual Enrollment
TOTAL	0	
Chinese		
French		
Greek		
Italian		
Portuguese		
Spanish		
Other		





METROPOLITAN PLANNING PROJECT/INDIVIDUAL SCHOOL PROFILE

School District # 168  
School # 405

1973-74	
School District:	Marblehead
School Name:	Marblehead Jr. High
No. & Street:	Village,
City, State, Zip:	Marblehead, Mass. 01945
Grade Organization:	7-9
Facilities:	
Initial Construction Date:	1955
Dates of Additions or Changes:	1958-67
# Rooms, Instructional Use:	52
# Rooms, Other Uses:	33
TOTAL	85

1973-74	
Federal Programs	
Title I:	
Type of Program:	
# of Students:	0
% School Enrollment:	
Lunch Program:	
# Students, Free:	26
# Students, Reduced Price:	0
TOTAL	26
% School Enrollment:	2.2
Bilingual Program:	
# Eligible Students:	0
% School Enrollment:	
METCO Interdistrict Program:	
# Students:	27
% School Enrollment:	2.3

STAFF ETHNIC CENSUS: 1973-74														
Professional Staff	Census		Age					Years in Present System			Position			
	#	%	Under 26	26-34	35-55	56 & Over	Under 3	3-9	10 & Over	Administrators	Teachers	Teacher Aides	Other Professionals	
TOTAL	77	100.0	13	31	23	8	22	29	24	4	65	2	6	
White	69	89.6	13	30	20	6	20	27	22	2	59	2	6	
Black	3	3.8	0	1	1	0	1	1	0	2	1	0	0	
Spanish Surname	0		0	0	0	0	0	0	0	0	0	0	0	
Asian-American	1	1.3	0	0	0	1	1	0	0	0	1	0	0	
Native-American	0		0	0	0	0	0	0	0	0	0	0	0	
Other	2	2.6	0	0	1	0	0	0	1	0	2	0	0	



STUDENT ETHNIC CENSUS: 1973-74								
		Total	White	Non-white	Non-white			Spanish Surname
					Black	Native-American	Asian-American	
Number	1,174		1,152	22	19	0	3	0
Percent	100.0		98.1	1.9	1.6		0.3	

School District # 168  
School #405

RACIAL CENSUS: 1967-68, 1970-71, 1972-73					
Years	Total Enrollment	White		Non-white	
		#	%	#	%
1967-1968	1019	999	98.0	20	2.0
1970-1971	1158	1139	98.4	19	1.6
1972-1973	1119	1099	98.2	20	1.8

RACIAL CENSUS: ENROLLMENT CHANGE 1967-1972			
	#	%	% Change in Proportional Distribution
TOTAL	+100	+9.8	
White	+100	+9.8	+0.2
Non-white	0	0.0	-0.1

ELIGIBLE TRANSITIONAL BILINGUAL STUDENTS: 1973-74		
Language	Number of Students	Percent of Bilingual Enrollment
TOTAL	0	
Chinese		
French		
Greek		
Italian		
Portuguese		
Spanish		
Other		



# METROPOLITAN PLANNING PROJECT/INDIVIDUAL SCHOOL PROFILE

School District # 168  
School # 505

1973-74  
School District: Marblehead  
School Name: Marblehead High  
No. & Street: 217 Pleasant  
City, State, Zip: Marblehead, Mass. 01945  
Grade Organization: 10-12  
Facilities:  
Initial Construction Date: 1913  
Dates of Additions or Changes: 1939-61  
# Rooms, Instructional Use: 56  
# Rooms, Other Uses: 22  
TOTAL 78

1973-74  
Federal Programs  
Title I:  
Type of Program:  
# of Students: 0  
% School Enrollment:  
Lunch Program:  
# Students, Free: 8  
# Students, Reduced Price: 0  
TOTAL 8  
% School Enrollment: 0.7  
Bilingual Program:  
# Eligible Students: 0  
% School Enrollment:  
METCO Interdistrict Program:  
# Students: 13  
% School Enrollment: 1.1

STAFF ETHNIC CENSUS: 1973-74													
Professional Staff	Census		Age				Years in Present System			Position			
	#	%	Under 26	26-34	35-55	56 & Over	Under 3	3-9	10 & Over	Administrators	Teachers	Teacher Aides	Other Professionals
TOTAL	95	100.0	4	25	44	10	13	35	35	7	70	1	17
White	87	91.6	4	23	40	9	13	29	34	6	63	1	17
Black	0		0	0	0	0	0	0	0	0	0	0	0
Spanish Surname	0		0	0	0	0	0	0	0	0	0	0	0
Asian-American	1	1.1	0	0	1	0	0	1	0	0	1	0	0
Native-American	0		0	0	0	0	0	0	0	0	0	0	0
Other	2	2.1	0	0	2	0	0	2	2	0	2	0	0





STUDENT ETHNIC CENSUS: 1973-74								
		Total	White	Non-white	Non-white			
					Black	Native-American	Asian-American	Spanish Surname
Number	1,134		1,119	15	15	0	0	0
Percent	100.0		98.7	1.3	1.3			

School District #168  
School #505

RACIAL CENSUS: 1967-68, 1970-71, 1972-73						
Years	Total Enrollment	White		Non-white		
		#	%	#	%	
1967-1968	941	941	100.0	0		
1970-1971	1023	1006	98.3	17	1.7	
1972-1973	1119	1107	98.9	12	1.1	

RACIAL CENSUS: ENROLLMENT CHANGE 1967-1972				
	#	%	% Change in Proportional Distribution	
TOTAL	178	18.9		
White	166	17.6		-1.1
Non-white	12	Undefined		Undefined

FOLLOW UP OF HIGH SCHOOL GRADUATES: 1968, 1972						
Post High School Placement	Class of					
	1968		1972			
	#	%	#	%		
4-yr. State College	34	12.0	40	12.2		
4-yr. Other College	118	41.5	151	46.2		
2-yr. State College	20	7.0	14	4.3		
2-yr. Other College	59	20.8	15	4.6		
Nurses Training	4	1.4	3	0.9		
Other Post Secondary	12	4.2	39	11.9		
Military	11	3.9	10	3.1		
Work	19	6.7	40	12.2		
Other	7	2.5	15	4.6		
TOTAL	284	100.0	327	100.0		

ELIGIBLE TRANSITIONAL BILINGUAL STUDENTS: 1973-74			
Language	Number of Students	Percent of Bilingual Enrollment	
TOTAL	0		
Chinese			
French			
Greek			
Italian			
Portuguese			
Spanish			
Other			

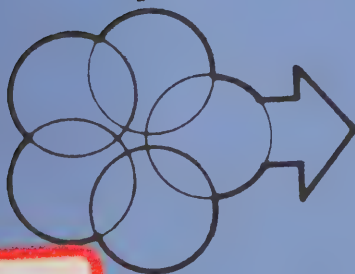


# **METRO WAYS TO UNDERSTANDING**

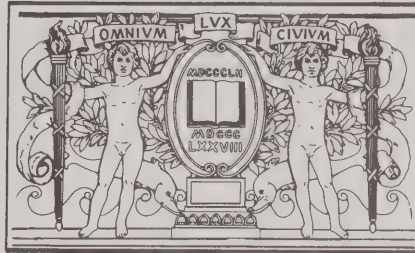
A PLAN FOR THE VOLUNTARY ELIMINATION OF  
RACIAL AND ETHNIC ISOLATION IN THE SCHOOLS  
OF THE BOSTON METROPOLITAN AREA

## **VOLUME III COMMUNITY PROFILES**

**TOWN OF  
MARSHFIELD**



**THE METROPOLITAN PLANNING PROJECT**



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METRO WAYS TO UNDERSTANDING:

A Plan for the Voluntary Elimination of  
Racial and Ethnic Isolation in the Schools of  
The Boston Metropolitan Area

VOLUME III THE COMMUNITY PROFILES

Community Profile # 171  
Town of Marshfield

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1973-74

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## ABSTRACT

The Metropolitan Planning Project is a collaborative effort of 17 school districts supported by an additional 39 approving school districts within the Boston Metropolitan Area. Its mandate is to develop a Ten Year Plan for the phased elimination of racial and ethnic isolation in the area's schools through voluntary school district collaboration. The Project is funded by the U.S. Office of Education under the Emergency School Aid Act of 1972.

METROWAYS TO UNDERSTANDING: A Plan for the Voluntary Elimination of Racial and Ethnic Isolation in the Schools of the Boston Metropolitan Area is a phased Ten Year Plan which is a result of the process that the Metropolitan Planning Project has undergone during this year of planning. The Project has worked to achieve effective community participation in an effort to design quality learning environment programs for students. As a result of a city and suburban exchange of ideas, the Metropolitan Planning Project has helped to promote the development of over 78 proposals in 32 cities and towns for the design of new innovative learning environments. With a \$300,000 allocation for pilot programming, 14 pilot projects were funded to test MPP objectives. The projects included students from pre-kindergarten through high school age. The focus ranged from American history, art, ecology, energy, comparative life styles to Afro-American, Hispanic, Native-American, and Chinese-American cultures.

The Project has also compiled extensive data on the educational, demographic, housing, fiscal, socio-economic, land use and ethnic and racial characteristics of the 78 towns and cities in the greater Boston standard metropolitan statistical area (SMSA). This information was developed as a needs analysis and resource inventory and has been utilized in the development of the recommended educational programs. It provides the basis for program implementation. The Ten Year Plan METROWAYS TO UNDERSTANDING is aimed at promoting voluntary collaboration between urban and suburban school districts and includes the involvement of students, parents, teachers, school principals, superintendents, community organizations and others concerned with education.



During the 1974-75 school year, the Metropolitan Planning Project will pilot some of the policy recommendations developed through this participatory planning process. These recommendations include:

METROPATHWAYS - Quality innovative educational programs which will be accessible to secondary school students of different socio-economic, racial, and ethnic background within the metropolitan area by utilizing mass transit routes.

METROPAIRWAYS - Parents and school personnel from pairs or triads of city and suburban districts will meet to formulate educational programs of equal benefit to the students. Learning centers will be developed in two or three schools and each will serve as a supplement to the educational quality of each individual school.

METROETHNIC HERITAGE RESOURCE CENTERS - These will be coordinated within METROCENTER and will promote the study, compilation, production and distribution of materials and information related to minorities and ethnic groups of the SMSA. It will also be an action program for the development of other resource centers in the metropolitan area.

METROCENTER FOR COMMUNICATIONS, COUNSELLING, AND RESOURCE DEVELOPMENT - This center will coordinate the metropolitan educational programs and serve as an information and resource "bank" for students, parents, community groups and educators throughout the metropolitan area who wish to be involved in urban-suburban educational programs and staff development programs aimed at eliminating racial and ethnic isolation of students.

#### ACKNOWLEDGEMENT

I wish to thank Dr. Forbes Bottomly for his encouragement and support of this research approach; Edward Feinman and Leslie S. May who, together with the Support Research Staff and myself, developed the analyses in Volume II RESOURCES FOR IMPLEMENTATION and Volume III COMMUNITY PROFILES. Our grateful appreciation to Mrs. Helen Taggart who formatted and typed the research materials.

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## INTRODUCTION TO THE NOTES AND SOURCES FOR THE COMMUNITY PROFILES

The Community Profiles were developed for the 78 municipalities that comprise the study area of the Metropolitan Planning Project (MPP). The study area is defined as the 1963 Boston standard metropolitan statistical area (SMSA) boundaries. The Profiles were prepared to meet the mandate of Objective B of the Support Research component of the MPP proposal. This mandate is:

To develop profiles and analysis of social, ethnic, economic, and educational characteristics of the metropolitan area and of its individual communities.

The purpose of these profiles are to serve as the data base for the Ten Year Plan and to develop information for the implementation of educational programs through the analyses of the interaction between the education system and related urban functional systems.

A Community Profile was developed for each of the following cities and towns:

Arlington	Lexington	Randolph
Ashland	Lincoln	Reading
	Lynn	Revere
Bedford	Lynnfield	Rockland
Belmont		
Beverly	Malden	Salem
Boston	Manchester	Saugus
Braintree	Marblehead	Scituate
Brookline	Marshfield	Sharon
Burlington		Sherborn
	Medfield	Somerville
Cambridge	Medford	Stoneham
Canton	Melrose	Sudbury
Chelsea	Middleton	Swampscott
Cohasset	Millis	
Concord	Milton	Topsfield
Danvers	Nahant	Wakefield
Dedham	Natick	Walpole
Dover	Needham	Waltham
Duxbury	Newton	Watertown
	Norfolk	Wayland
Everett	North Reading	Wellesley
	Norwell	Wenham
Framingham	Norwood	Weston
		Westwood
Hamilton	Peabody	Weymouth
Hanover	Pembroke	Wilmington
Hingham		Winchester
Holbrook	Quincy	Winthrop
Hull		Woburn

There are also Profiles for each of the following regional school districts:

Dover-Sherborn  
Experimental School System of the Commonwealth of Massachusetts  
Hamilton-Wenham  
Lincoln-Sudbury  
North Shore Regional Vocational

The information in the Community Profiles assess the needs and resources of each community. It is helpful in planning for the future of each school system as well as in the development of educational curricula and programs. These will utilize school and community based resources for metropolitan educational programs for the elimination of racial and ethnic student isolation in the school districts of the SMSA. More detailed analyses of each of these communities, including a series of tables comparing these school districts and an "Analyses of Grouped Communities", are found in earlier Volumes.

These notes were prepared so that persons interested in obtaining further detailed information or in updating present data can easily do so. The source of the information and where it is located is given for each table. Non-classified government information is available by public law to all persons. This includes individual public school records as well as municipal, county, state, and federal data.

There are two sections of the Community Profiles. The first section, Community Profiles, displays educational and educational-related information about the community. The second section, Individual School Profiles, displays educational information about each individual school in the district. The page number at the beginning of a table corresponds to the page number of the Community Profile. Each Individual School Profile is 2 pages and notes for the tables are consistent with this format.



## NOTES AND SOURCES FOR THE COMMUNITY PROFILES

### EDUCATIONAL CHARACTERISTICS

#### PAGE 1 - NUMBER OF SCHOOLS AND ENROLLMENT

By Type of School: 1973-74

The information on the total number of schools in a school district, as well as the number of Elementary, Junior High, High Schools, Special and Ungraded, Regional, and Vocational Schools in a district, were obtained from the Massachusetts State Department of Education, Bureau of Educational Information Services, Massachusetts School Directory 1973-74. This publication lists the name, address, and grade organization of each school in the Commonwealth. It notes which schools are Special, Ungraded, Regional, or Vocational. Elementary Schools are those schools composed of one or all the grades K through 5 or grades K through 6. Junior High Schools are those schools composed of one or all the grades 6 through 8; schools with grades 5-6, 5-7, 5-8, and 7-9 are counted as Junior High Schools. High Schools are those schools composed of one or all of the grades 9 through 12.

The "Total", "White", and "Non-white" enrollments for each type of school were obtained from a survey conducted by the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Enrollment by Classification, Exhibit II, 1973-74. The enrollments for all Elementary Schools, Junior High Schools, High Schools, Special and Ungraded Schools, Regional Schools, and Vocational Schools in a school district which is recorded in this table were totalled by the Metropolitan Planning Project (MPP) support research staff.

#### PAGE 1 - SCHOOL ATTENDING CHILDREN IN PUBLIC and Non-public Schools

This information was obtained from the Commonwealth of Massachusetts, Annual Report of the State Department of Education for the Year Ending June 30, 1968; Annual Report ... June 30, 1971; and Annual Report ... June 30, 1973. The percentage of "Public" and "Non-public" school attending children were calculated by the MPP support research staff.

#### PAGE 1 - EDUCATIONAL COLLABORATIVE PARTICIPATION 1973-74

The educational collaboratives listed in this table were found in the following sources:

The Massachusetts State Department of Education, Bureau of Educational Information Services, Massachusetts School Directory, 1973-74; Institute for Educational Services, Inc., "Survey on Collaboration", 1971; Metropolitan Planning Project Support Research Component Telephone Survey, 1974; Massachusetts State Department of Education, Division of Curriculum and Instruction, Kaleidescope 7, 1973,

Other educational collaboratives in the Boston metropolitan area were not available from these sources.

PAGE 1 - 1970 CENSUS: SCHOOL ENROLLMENT FOR  
Level and Type of School by Race  
(Population 3 - 34 years)

This information was obtained from the United States Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing. U.S. Census information is available in published monographs, which are available at libraries and governmental agencies, and on computer tapes. The data on computer tape is organized into sequences and each sequence is referred to as a "count". Within each "count", the data is subdivided into tables, and each table has been given a number and title. The information in this table was obtained from the 4th Count Population Summary Tapes for Massachusetts, Table 38, "Population 3 Years Old and Over Enrolled in School by Level and Type of School." This information was based on a 15 percent sample survey. The percentages may not add up to 100 percent because of rounding. An N.A. indicates that this information was not available for the school district. The "Spanish-American" category includes people who are both "White" and "Black" according to the Census definition so that the total of the "White", "Black" and "Spanish-American" columns will never equal the "Total" population column.

PAGE 1 - FEDERALLY-FUNDED PROGRAMS: 1973-74

The information on Title I students in each school district was obtained from the Massachusetts State Department of Education, Division of Curriculum and Instruction, Bureau of Curriculum Services, Title I ESEA, "Unpublished Title I Program Documents, 1973-74". The Title III information was obtained from the Massachusetts State Department of Education, Division of Curriculum and Instruction, Bureau of Curriculum Services, Title III ESEA, Kaleidescope 7, 1973 and the Metropolitan Planning Project support research staff telephone survey of Title III Program Directors, July-August, 1974. The percent total enrollment was calculated by dividing the number of students in Title I and III programs by the total number of students in the district during the 1973-74 school year. The total number of students was obtained from the Massachusetts

State Department of Education, Division of Research, Planning, and Evaluation, Enrollment by Classification, Exhibit II, 1973-74. This is the same total that appears in the "Student Ethnic Census: 1973-74" table on page 2.

The Title I and Title III programs are funded by the U.S. Office of Education and were enacted by the U.S. Congress as part of the 1965 Elementary and Secondary Education Act (ESEA). The Title I program provides assistance for "educationally deprived and neglected and delinquent children." The Title III program "supports proposals to advance creativity in education."

PAGE 2 - RACIAL CENSUS: 1967-68; 1970-71; 1972-73

The information on the "Total", "White", and "Non-white" enrollments for these three schools years was obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Racial Census, October, 1967; Racial Census, October, 1970; and Racial Census, October, 1972. The Racial Census does not indicate which students were considered "White" and which were considered "Non-white".

PAGE 2 - RACIAL CENSUS: ENROLLMENT CHANGE 1967-1972

These figures were calculated from the previous table by the MPP support research staff. The figures under the number sign (#) column were calculated by subtracting from the "Total", "White" or "Non-white" enrollment for the 1972-73 school year the "Total", "White" or "Non-white" enrollment for the 1967-68 school year. For example, if the 1972-73 total enrollment was 100 students and the 1967-68 enrollment was 50 students, the enrollment change would be +50(100-50) and this figure would appear in the appropriate box. The figures under the percent (%) column were derived by dividing the difference between the 1972-73 and 1967-68 enrollment by the 1967-68 enrollment. If the difference, for example, between the 1972-73 and 1967-68 enrollments was +50 and the 1967-68 enrollment was 50, the percent change would be +100 (+50/50). The figures under the "% Change in Proportional Distribution" column were calculated as follows:

The "% White" (or "% Non-white") for 1972-73 was subtracted from the "% White" (or "% Non-white") for 1967-68.

This difference was divided by the "% White"(or "% Non-white") for 1967-68 and this is the figure that was recorded. For example, if the "% White" in 1967-68 was 75% and the "% White" in 1972-73 was 50%, the "% Change in Proportional Distribution" would be calculated as follows:  
$$(50-75)/75 = (-25)/75 = -0.33.$$

Since the percent "Total Enrollment" is always 100%, no "% Change in Proportional Distribution" was calculated or recorded for "Total Enrollment". If there is a percent change from 0 to any number the "% Change in Proportional Distribution" is mathematically undefined. This is noted by the word "Undefined".



PAGE 2 - STUDENT ETHNIC CENSUS: 1973-74

This information was obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Enrollment by Classification, Exhibit II, 1973-74. The figures in the "White" column include white students and students of racial backgrounds other than "Black", "Native-American", "Asian-American", and "Spanish Surname". "Spanish Surname" students were placed in the "Non-white" category.

PAGE 2 - FOLLOW-UP OF HIGH SCHOOL GRADUATES: 1968; 1972

The information on the post high school placement of 1968 graduates was obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Distribution of Graduating Class, 1969. The number of students in each of the various placement categories may not equal the total number of high school graduates because information on all placements was not available. Some of the school districts are members of regional high schools so that information on their high school students would be included in the regional high school data. There is, therefore, no information recorded for the following school districts (the name of the regional high school their students attend is in parentheses):

- Concord (Concord-Carlisle Regional High School)
- Dover (Dover-Sherborn Regional High School)
- Hamilton (Hamilton-Wenham Regional High School)
- Lincoln (Lincoln-Sudbury Regional High School)
- Middleton (Masconomet Regional High School)
- Nahant (all Nahant high school students attend high schools in Lynn)
- Norfolk (King Philip Regional High School)
- Sherborn (Dover-Sherborn Regional High School)
- Sudbury (Lincoln-Sudbury Regional High School)
- Topsfield (Masconomet Regional High School)
- Wenham (Hamilton-Wenham Regional High School)

If there was no information available on high school graduates in a particular district, this is noted by an N.A. in the first column (under the # sign). The information on the 1972 graduates was obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Distribution of High School Graduates, Class of 1972, Fall 1973. The districts which sent their high school students to regional schools in 1968 remained the same and, therefore, no information on 1972 high school graduates for these districts is recorded. In addition to these districts, there will be no information for Pembroke since their high school students now attend Silver Lake Regional High School. The percentages in the 1972 column may not add up to 100% because of rounding.

PAGE 2 - ELIGIBLE TRANSITIONAL BILINGUAL STUDENTS: 1973-74

The number of students eligible for a transitional bilingual program was obtained from the Massachusetts State Department of Education, Bureau of Transitional Bilingual Education, Census of Children of Limited English Speaking Ability on October 1, 1973, under Chapter 71A, Act of 1971. This Census of all public school students is conducted each year in order to determine how many students are of limited English speaking ability as defined in Chapter 71A and, thus, eligible for transitional bilingual classes. The "Percent of Bilingual Enrollment" was calculated by the MPP support research staff by dividing the number of students in each language category, such as "Chinese" or "French" by the "Total" number of eligible bilingual students.

PAGE 3 - PUBLIC SCHOOL STUDENT ENROLLMENTS: 1964 - 1982

Past Enrollments: 1964 - 1972

Projected Enrollments: 1973 - 1982

This information was prepared for the Metropolitan Planning Project by the Organization for Social and Technical Innovation, Inc. (OSTI).

These enrollment projections are based on time-series enrollment data from 1964 through 1972, obtained from the Massachusetts State Department of Education, Division of Research, Planning and Evaluation. The source of the historical enrollment data for the forecast categories "Total K-12", "Total K-6", "Total 7-12", "White K-12" and "Non-white K-12" was the superintendent's report entitled Census Report.

The numbers in parentheses under each forecast category represents the  $R^2$  (coefficient of determination) for that particular projected enrollment series. It is presented to indicate a rough sense of the reliability of each forecast --  $R^2$ 's of .8 or .9 are very reliable,  $R^2$ 's of .5, .6, or .7 are good, and  $R^2$ 's of .4 or less are unreliable. When the projections for subcategories (for example, "White K-12" and "Non-white K-12" are subcategories of "Total K-12") are totaled, they do not necessarily equal the projected enrollment figures for the total category. This is because each forecast category was projected independently from the others and the projections selected are not necessarily each derived from the same mathematical equation, since the best projection was selected for each forecast category largely independent of the projections selected for other forecast categories.

School districts with no projections presented or particular forecast categories left blank means the projection here was entirely unsuccessful, sometimes for mathematical reasons, sometimes because of missing years of historical data, and sometimes because of almost certain incorrect historical enrollment data.

PAGE 4 - NUMBER OF TEACHERS BY RACE: 1972-73

This information was obtained from the U.S. Department of Health, Education, and Welfare, Office for Civil Rights, Directory of Public Elementary and Secondary



Schools in Selected Districts, Enrollment and Staff by Racial/Ethnic Group,  
Fall, 1974. Since this information was collected from selected school districts,  
data was only available for 68 of the 83 Boston metropolitan area districts.  
MPP support research staff contacted the remaining districts to complete the  
survey. The following school districts provided this information:

Cohasset  
Dover  
Dover-Sherborn Regional High School  
Experimental School System of the Commonwealth of Massachusetts  
Hamilton-Wenham Regional High School  
Holbrook  
Manchester  
Nahant  
Topsfield  
Wenham

An N.A. indicates that this information was not available for the school dis-  
trict. Spanish Surname teachers were placed in the "Non-white" category.

PAGE 4 - NUMBER OF TEACHERS, TEACHER-AIDES, AND OTHER PROFESSIONAL STAFF: 1973-74

This information was obtained from the U.S. Equal Employment Opportunity Commis-  
sion, Elementary-Secondary Staff Information (EEO-5), October 1, 1973. Since  
this information was collected on a selected school district basis, the MPP  
support research staff surveyed the remaining districts to obtain this informa-  
tion. The following school districts provided this information:

Ashland  
Beverly  
Braintree  
Cohasset  
Experimental School System of the Commonwealth of Massachusetts  
Framingham  
Hamilton-Wenham Regional High School  
Manchester  
Medfield  
Medford  
Middleton  
Millis  
Nahant  
Norfolk  
Pembroke  
Saugus  
Sherborn  
Sudbury  
Topsfield  
Walpole

The "Other Professional Staff" category include the following staff positions: Officials, Administrators, Managers, Principals, Assistant Principals, Guidance Personnel, Psychologists, Librarians, Supervisors of Instruction, and all other professional staff. An N.A. indicates that this information was not available for the school district.

#### PAGE 5 - SELECTED FINANCIAL CHARACTERISTICS

The information on "% Municipal Tax Dollar Spent on Education" was obtained from the Commonwealth of Massachusetts, Annual Report of the Department of Education for the Year Ending June 30, 1968; Annual Report ... June 30, 1971; Annual Report ... June 30, 1973.

The "% Municipal Tax Dollar Spent on Education" was calculated by the MPP support research staff by dividing the school tax rate by the general tax rate. For example, if the school tax rate in a town was \$24 and the total tax rate was \$48, the "% Municipal Tax Dollar Spent on Education" would be 50% (24/48).

The information on "Comprehensive Per Pupil Expenditure" was obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Per Pupil Expenditures 1967-68; Per Pupil ... 1970-71; Per Pupil ... 1972-73. This per pupil expenditure is the integrated per pupil cost for the Regular Day, Vocational Day, and Special Education Programs and pro-rated Regional School Expenditures divided by the average membership of students in those programs.

The information on "Public School Attending Children Transported at Public Expense" was obtained from the Commonwealth of Massachusetts, Annual Report of the Department of Education for the Year Ending June 30, 1968; Annual Report ... June 30, 1971; Annual Report ... June 30, 1973. Discrepancies may appear in this table because the data received was unaudited.

The information on "Computative Equalized Property Valuation per School Attending Child" was obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, School Aid to Massachusetts Cities and Towns, (Chapter 70 Amended), 1967-68; School Aid ... 1970-71; School Aid ... 1972-73. Computative equalized property valuation for any one year is equal to the equalized property valuation the previous calendar year divided by the number of school attending children for that school year. For example, the computative equalized valuation for 1967-68 is derived by dividing the equalized property valuation for 1966 by the number of school attending children for 1967-68.

#### PAGE 5 - TAX RATE

This information was obtained from the Massachusetts Teachers Association, Background Data for Massachusetts School Districts 1973, Research Bulletin 734-9, 1973. The official tax rate is equal to a city or town's budget needs divided by the assessed value (tax rate=budget needs/assessed value). The equalized

tax rate is equal to the town's budget needs divided by the true market value of property in a city or town, as determined by the Massachusetts Department of Corporations and Taxation (equalized tax rate=budget needs/full market value). The tax rate indicates the number of dollars per \$1,000 of assessed valuation a person or corporation would be taxed on property owned.

#### PAGE 5 - SCHOOL TAX RATE

This information was obtained from the Massachusetts Teachers Association, Background Data for Massachusetts School Districts 1973, Research Bulletin 734-9, 1973. The official school tax rate is equal to a city or town's school budget needs divided by the assessed value (school tax rate=school budget needs/assessed value). The equalized school tax rate is equal to the town's school budget needs divided by the true market value of property in a city or town, as determined by the Massachusetts Department of Corporations and Taxation (equalized school tax rate=school budget needs/full market value). The school tax rate indicates the number of dollars per \$1,000 of assessed valuation a person or corporation would be taxed on property owned.

#### PAGE 5 - 1973 MOODY'S BOND RATING

This information was obtained from Moody's Investor Service, Moody's Bond Record, December 1973. The bonds were rated by Moody's Investor Service in the following order, with the first rating assigned to the bonds judged to be of highest quality and the last rating assigned to bonds judged to be of lowest quality:

Aaa	Baa	Caa
Aa	Ba	Ca
A	B	C

The bonds in the A and Baa groups which Moody's determined had the strongest investment attributes were designated by the symbols A-1 and Baa-1.

#### PAGE 5 - PUBLIC SCHOOL STUDENTS Receiving Subsidized Lunches: 1973-74

This information was obtained from the Massachusetts State Department of Education, Bureau of Nutrition Education and School Food Services Education, "Average Number of Lunches Served to Needy". The figures in this table was calculated by taking the number of needy students served lunches in a school during the month of January, 1974 and dividing this number of the number of days schools were opened that month. The average number of lunches served per day in each school were totalled by the MPP support research staff to develop the school district totals.

The "% of Total Enrollment" was calculated by dividing the number of lunch program students by the 1973-74 total school district enrollments obtained from the Massachusetts State Department of Education, Division of Research, Planning and Evaluation, Enrollment by Classification, Exhibit II, 1973-74.



PAGE 5 - STUDENTS ENROLLED IN METCO

The information on the number of METCO (Metropolitan Council for Educational Opportunities, Inc.) students during the 1967-68 school year was obtained from the Massachusetts State Department of Education, Bureau of Equal Education Opportunity, "Recommendations for Funding of Plans Submitted Under Chapter 506 of the Acts of 1966," 1968. The 1970-71 information was obtained from the Massachusetts State Department of Education, Bureau of Equal Educational Opportunity, "Fiscal Report, METCO 1970-71 Program". The 1972-73 information was obtained from the Massachusetts State Department of Education, Bureau of Equal Educational Opportunity, "Memorandum to Rae Cecilia Kipp [Chairman, State Board of Education] from Charles L. Glenn and Cecilia M. DiBella, August 22, 1972. Subject: METCO Program for 1972-73." The information for the 1973-74 school year was obtained from the METCO files "Unpublished Student Enrollment Records", August, 1974. This information was obtained on a school by school basis; the schools figures were totalled by the MPP support research staff to develop the school district totals.

The "% of Total Enrollment" for the 1967-68; 1970-71; and 1972-73 school years were calculated by dividing the number of METCO students by the total number of students for that particular year. The total number of students for those school years were obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Racial Census, October, 1967; Racial ... 1970; Racial ... 1973. The "% of Total Enrollment" for the 1973-74 school year was calculated by dividing the "# METCO Students" by the 1973-74 district enrollments obtained from the Massachusetts Department of Education, Division of Research, Planning and Evaluation, Enrollment by Classification, Exhibit II, 1973-74. METCO is a state funded interdistrict transfer program which transports children from Boston to suburban school districts.

PAGE 6 - PERCENT DISTRIBUTION OF SCHOOL REVENUES: 1967-68; 1970-71; 1972-73

This information was obtained from the Commonwealth of Massachusetts, Annual Report of the Department of Education for the Year Ending June 30, 1968; Annual Report ... June 30, 1971; Annual Report ... June 30, 1973. The percentages were calculated by the MPP support research staff. The percentages may not add up to 100 percent because of rounding.

PAGE 6 - ABSOLUTE DOLLAR AND PERCENT CHANGES IN REVENUES: 1967-72

These figures were calculated from the previous table. The dollar (\$) "Changes in Public School Funds Provided 1967-72" were calculated by subtracting the 1972-73 dollar amounts for "Total Funds Provided", "Local Sources", and remaining categories from the 1967-68 dollar amounts. For example, if the total public school funds provided in 1972-73 were \$100,000 and the funds provided in 1967-68 were \$50,000, the absolute dollar change in revenues would be \$50,000 (\$100,000-\$50,000). The percent changes in revenues was calculated by dividing the difference

between the 1972-73 and 1967-68 funds provided by the 1967-68 amount. For example, if the 1972-73 total funds provided were \$100,000 and the 1967-68 funds provided were \$50,000, the percent "Change in Funds Provided" would be equal to  $(\$100,000 - \$50,000) / \$50,000 = \$50,000 / \$50,000 = +100\%$ . If there were no funds provided during 1967-68 for any of the categories, the percent change in revenues is mathematically undefined. This is noted by the word Undefined.

#### PAGE 6 - PERCENT CHANGE IN PROPORTIONAL DISTRIBUTION OF REVENUES: 1967-72

These figures were calculated from the first table on page 6. The "Percent Change in Proportional Distribution of Revenues" was derived as follows:

The percent of revenues from "Local Sources", "Commonwealth Sources", and remaining categories for the 1967-68 school year was subtracted from the 1972-73 school year figures then this difference was divided by the percent "Local Sources", "Commonwealth Sources", and remaining categories for the 1967-68 school year.

For example, if the percent of revenues from local sources in 1967-68 were 50% and the percent of revenues from local sources in 1972-73 were 75%, the "Percent Change in Proportional Distribution of Revenues: 1967-72" would equal  $(75-50)/50 = 25/50 = +50\%$ . If there is a percent change from 0 to any number, the "Percent Change in Proportional Distribution" is mathematically undefined. This is noted by the word Undefined.

#### PAGE 7 - PERCENT DISTRIBUTION OF SCHOOL EXPENDITURES: 1967-68; 1970-71; 1972-73

This information was obtained from the Commonwealth of Massachusetts, Annual Report of the Department of Education for the Year Ending June 30, 1968; Annual Report ... June 30, 1971; Annual Report ... June 30, 1973. The percentages were calculated by the MPP support research staff. The percentages may not add up to 100 percent because of rounding.

#### PAGE 7 - ABSOLUTE DOLLAR AND PERCENT CHANGES IN EXPENDITURES: 1967-72

These figures were calculated from the previous table. The dollar (\$) "Changes in Public School Funds Expended 1967-72" were calculated by subtracting the 1972-73 dollar amounts for "Total Public School Funds Applied", "Administration", and remaining categories from the 1967-68 dollar amounts. For example, if the "Total Public School Funds Applied" in 1972-73 were \$100,000 and the funds applied in 1967-68 were \$50,000, the absolute dollar change in expenditures would be \$50,000  $(\$100,000 - \$50,000)$ . The percent changes in expenditures was calculated by dividing the difference between the 1972-73 and 1967-68 funds expended by the 1967-68 amount. For example, if the 1972-73 total funds expended were \$100,000 and the 1967-68 funds expended were \$50,000, the percent "Changes in Public School Funds Expended" would be equal to  $(\$100,000 - \$50,000) / \$50,000 = \$50,000 / \$50,000 = +100\%$ . If there were no funds provided during 1967-68 for any of the categories, the percent change in expenditures is mathematically undefined. This is noted by the word Undefined.



PAGE 7 - PERCENT CHANGE IN PROPORTIONAL DISTRIBUTION OF EXPENDITURES: 1967-72

These figures were calculated from the first table on page 7. The "Percent Change in Proportional Distribution of Expenditures" was derived as follows:

The percent of expenditures from "Administration", "Instruction", and remaining categories for the 1967-68 school year was subtracted from the 1972-73 school year figures. Then this difference was divided by the percent "Administration", "Instruction", and remaining categories for the 1967-68 school year.

For example, if the percent of expenditures for "Administration" in 1967-68 were 50% and the percent of expenditures for "Administration" in 1972-73 were 75%, the "Percent Change in Proportional Distribution of Expenditures: 1967-72" would equal  $(75-50)/50 = 25/50 = +50\%$ . If there is a percent change from 0 to any number, the "Percent Change in Proportional Distribution of Expenditures" is mathematically undefined. This is noted by the word Undefined.

PAGE 8 - 1970 CENSUS: COUNT OF PERSONS 25 YEARS OF AGE AND OVER BY RACE AND YEARS OF SCHOOL COMPLETED.

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 42, "Population 25 Years Old and Over by Years of School Completed and Sex". This information was based on a 20% sample survey. The "Spanish-American" category includes people who are both "White" and "Black" according to the Census definition so that the total of the "White", "Black" and "Spanish-American" columns will never equal the "Total Population" column. The "White" and "Black" figures may not equal the "Total Population" column because they do not include people of other racial backgrounds such as Asian-American and Native-American.

PAGE 8 - MEDIAN SCHOOL YEARS COMPLETED

This information was calculated from the previous table, "1970 Census: Count of Persons 25 Years of Age and Over by Years of School Completed". This calculation was performed by the Massachusetts Institute of Technology (M.I.T.) Information Processing Center.

DEMOGRAPHIC CHARACTERISTICS

PAGE 9 - CENSUS POPULATION BY RACE AND SPANISH LANGUAGE: 1960; 1970

The information on the 1960 population was obtained from the U.S. Department of Commerce, Bureau of the Census, 1960 Census of Population, Volume I, Characteristics of the Population, Part 23, Massachusetts, Tables 21, 25. This monograph

is available at libraries and governmental agencies. The "Asian-American" category includes only Chinese, Japanese, and Filipino. The percentages may not add up to 100 percent because of rounding.

The 1970 population figures were obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population, General Social and Economic Characteristics, Massachusetts, PC (1) - C23, Tables 81, 102 and 1970 Census of Population, General Population Characteristics, Massachusetts, PC (1) - B23, Tables 23, 27, 31. The "Asian-American" category includes only Chinese, Japanese and Filipino. The "Other" category includes Hawaiians, Koreans, Aleuts, Eskimos, Malaysians, and Polynesians. The "Spanish Language" data was obtained from the 1970 U.S. Census "Persons of Spanish Language" category. Persons of "Spanish Language" were not considered a distinct racial group by the U.S. Bureau of the Census and were, therefore, not distributed in the "White" or "Non-white" categories. An N.A. indicates that this information was not available for the school district. The percentages may not add up to 100 percent because of rounding.

The "1960-1970 Increase (+) Decrease (-)" figures were calculated by the MPP support research staff from the data in the first two rows of this table. The increase or decrease in the number (#) columns were derived by subtracting the 1970 population figures from the 1960 figures.

The increase or decrease in the percent (%) column were calculated by dividing the difference between the 1970 and 1960 population figures by the 1960 figures.

The "% Change in Proportional Distribution" was calculated as follows:  
The "% White", "% Non-white" and percentages for the other columns for 1970 were subtracted from the 1960 percentages. This difference was divided by the 1960 percentages and this is the figure that was recorded.

#### PAGE 9 - CENSUS POPULATION INCREASE OR DECREASE: 1960-1970

This information was obtained from the Massachusetts Department of Commerce and Development, Massachusetts Population 1970-1965-1960 and Population Movements in Massachusetts 1960-1970.

#### PAGE 9 - CENSUS: FERTILITY RATIO BY RACE

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 44, "Females 15-44 Years Old by Marital Status, Number of Children and Age". This ratio tells how many children, on the average, a woman between the ages of 15 and 44 had in 1970. For example, a fertility ratio of 1.35:1 indicates that for that city or town (and for that racial grouping) the average number of children a woman between 15 and 44 would have would be 1.35. An N.A. indicates that this information was not available for the school district.

PAGE 10 -                   1970 CENSUS:  
Household Population by Race

The information on "Total Population" was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Second Count Summary Tapes for Massachusetts, Table 1, "Race and Sex". The information on "Population in Households" was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Second Count Summary Tapes for Massachusetts, Table 3, "Household Population by Age, Race and Sex". An N.A. indicates that this information was not available for the school district. The U.S. Bureau of the Census defines people who live in households as those people who occupy a group of rooms or a single room which constitutes a housing unit. All living arrangements other than households are classified as group quarters. Persons living in group quarters include, for example, those who are inmates of institutions and those living in rooming and boarding houses, communes or military barracks.

PAGE 10 -                   1970 CENSUS:  
Number of Families by Sex of Family Head

The information on the number of families headed by females was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 75 "Family Income". The number of families headed by males was calculated by the MPP support research staff by subtracting the number of female headed families from the total number of families. This information was based on a 20 percent sample survey. The U.S. Bureau of the Census defines a family as a household head and one or more other persons living in the same household who are related to the head by blood, marriage, or adoption. The "White" and "Black" figures may not equal the "Total Population" because they do not include people of other racial backgrounds such as Asian-American and Native-American.

PAGE 10 - 1970 CENSUS: AGE DISTRIBUTION BY RACE

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Second Count Summary Tapes for Massachusetts, Table 2, "Single Years of Age, Race, and Sex". The percentages were calculated by the MPP support research staff. The percentages may not add up to 100 percent because of rounding. An N.A. indicates that this information was not available for the school district.

PAGE 11 - 1970 CENSUS: NATIVITY AND PARENTAGE

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 21, "Nativity and Parentage". This information was based on a 15 percent sample survey. A "Native of Native Parent"



is a person born in the United States, the Commonwealth of Puerto Rico or an outlying area of the United States whose parents were also born in the United States. "Foreign Stock" includes U.S. citizens who were foreign born as well as those people who were born in the U.S. but had one or more foreign born parents ("Foreign or Mixed Parentage"). The "Spanish-American" category includes people who are both "White" and "Black" according to the Census definition so that the total of the "White", "Black" and "Spanish-American" columns will never equal the "Total Population" column.

PAGE 11 - 1970 CENSUS: MOST FREQUENT COUNTRY  
of Origin of Foreign Stock

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 22, "Country of Origin and Nativity". This information was based on a 15 percent sample survey. This table indicates the country of origin of the foreign stock population (foreign born and native of foreign or mixed parentage) in a city or town, with the information presented separately for foreign born and native of mixed parentage. These figures were totalled by the MPP support research staff to arrive at the number of persons recorded for each of the countries listed in this table. The countries listed are those which have the largest number of former citizens presently U.S. citizens residing in this community. The percent foreign stock population was calculated by dividing the number of foreign stock citizens from a particular country by the total number of foreign stock residents in that city or town. The total number of foreign stock residents was obtained from the previous table, "1970 Census: Nativity and Parentage".

PAGE 11 - 1970 CENSUS: SPANISH POPULATION INDICATORS

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 24, "Spanish Indicators". The information on persons of "Spanish Origin or Descent" was derived from the question of whether a person's origin or descent was Mexican, Puerto Rican, Cuban, Central or South American, or other Spanish. The information on persons of "Puerto Rican Birth or Parentage" includes persons born in Puerto Rico and persons born in the United States or an outlying area with one or more parents born in Puerto Rico. Persons of "Spanish Language" comprise persons of Spanish mother tongue and all other persons in families in which the head or wife reported Spanish as his or her mother tongue. Since a person of "Spanish Origin or Descent" may appear in two or more of these Spanish population indicators, these figures were not totalled to arrive at a total number of Spanish population residents in a city or town.

PAGE 11 - 1970 CENSUS: MOST FREQUENT MOTHER TONGUES  
Other Than English

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 23, "Mother Tongue and Nativity". This information was based on a 15 percent sample survey of which language was spoken in a person's home when he or she was a child. Since English is the most frequent mother tongue, information is only displayed for mother tongues other than English. This information is presented separately for foreign born and natives and these figures were totalled by the MPP support research staff to arrive at the figures presented in this table.

ECONOMIC CHARACTERISTICS

PAGE 12 - 1970 CENSUS: NUMBER OF EMPLOYED PERSONS 16 YEARS OLD AND OVER  
BY OCCUPATION

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 58, "Employed Population 16 Years Old and Over by Occupation". This information was based on a 20 percent sample survey. Each of the occupation categories shown on this table such as "Professional, Technical, and Kindred Workers" have been broken down into subcategories and the same information in this table is available for each of these subcategories. An N.A. indicates that this information was not available for the school district. The percentages may not add up to 100 percent because of rounding. The "White" and "Black" figures may not equal the "Total Persons Employed" because they do not include people of other racial backgrounds such as Asian-American and Native-American. The "Spanish-American" category includes people who are both "White" and "Black" according to the Census definition so that the total of the "White", "Black" and "Spanish-American" columns will never equal the "Total Persons Employed" column.

PAGE 13 - MEDIAN INCOME: 1960 CENSUS; 1970 CENSUS

The information on 1960 Median Income was obtained from the U.S. Department of Commerce, Bureau of the Census, 1960 Census of Population, Volume I, Characteristics of the Population, Part 23 Massachusetts, Tables 33, 34, 76.

The information on the 1970 Median Income was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 75, "Family Income", and Table 76, "Income of Unrelated Individuals". This information was based on a 20 percent sample survey.



Information on families includes all those people living in the same household who are related to the head by blood, marriage, or adoption. Information on unrelated individuals includes all members of a household who are not related to anyone else in the household or a person living in group quarters who is not an inmate of an institution. An N.A. indicates that this information was not available for the school district.

PAGE 13 -                   1970 CENSUS: EMPLOYMENT STATUS BY RACE  
                  of Persons 16 Years of Age and Over in Labor Force

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 54, "Population 16 Years Old and Over by Labor Force Status, Selected Characteristics, and Sex". This information was based on a 20 percent sample survey. The employment or labor force status of persons over 16 is recorded by the U.S. Bureau of the Census in three categories: "In Labor Force", "In Armed Forces", and "Not in Labor Force". The information in this table covers only those people in the labor force, and this category is broken down into those who are "Employed" and those who are "Unemployed". Since the number and percent "Unemployed" is only based on those people in the labor force, it is an undercount of actual unemployment in a community. The "Total" is of those people 16 years and over in the labor force. An N.A. indicates that this information was not available for the school district. The "Spanish-American" category includes people who are both "White" and "Black" according to the Census definition so that the total of the "White", "Black", and "Spanish-American" columns will never equal the "Total" column. The percentages may not add up to 100 percent because of rounding. The "White" and "Black" figures may not equal the "Total" column because they do not include people of other racial backgrounds such as Asian-American and Native-American.

PAGE 14 -                   1970 CENSUS:  
                  Number of Persons in Families and  
                  Number of Unrelated Individuals with Income Less Than Poverty Level

The information on the number of "Persons in Families" below poverty level was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 83, "Aggregate Number of Persons in Families below Poverty Level".

The information on the "Number of Unrelated Individuals with Income Less Than Poverty Level" was obtained from the U.S. Department of Commerce, Bureau of the Census 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 89, "Unrelated Individuals by Age and Poverty Status". This information was based on a 20 percent sample survey. The number of persons in families and the number of unrelated individuals were totalled by the MPP support research staff to arrive at the total in this table.

The definition of poverty level income originated with the U.S. Social Security Administration in 1964 and was subsequently modified by a Federal Interagency Committee. This index provides a range of poverty income cutoffs adjusted by such factors as family size, family head, number of children under 18 years old, and farm and nonfarm residence, needed in order to maintain a nutritionally adequate food plan designed by the Department of Agriculture. In 1969, the poverty thresholds ranged from \$1,847 for a female unrelated individual 65 years old and over living on a farm to \$6,116 for a nonfarm family with a male head and with seven or more persons. The average poverty threshold for a nonfarm family of four headed by a male was \$3,745. An N.A. indicates that this information was not available for the school district. The percentages may not add up to 100 percent because of rounding. The "White" and "Black" figures may not equal the "Total Population" because they do not include people of other racial backgrounds such as Asian-American and Native-American. The "Spanish-American" category includes people who are both "White" and "Black" according to the Census definition so that the total of the "White", "Black", and "Spanish-American" columns will never equal the "Total Population" column.

PAGE 14 -

1970 CENSUS:

Number of Related Children Under 18 in Families  
Below Poverty Level by Presence of Parents

This information was obtained from the 1970 U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 92, "Related Children Under 18 Years Old in Families Below Poverty Level by Presence of Parents". This information was based on a 20 percent sample survey. The percentages were calculated by the MPP support research staff by dividing the number of children under 18 living in families below poverty level by the total number of children under 18 in that city or town. An N.A. indicates that this information was not available for the school district. The "White" and "Black" figures may not equal the "Total Population" because they do not include people of other racial backgrounds such as Asian-American and Native-American. The "Spanish-American" category includes people who are both "White" and "Black" according to the Census definition so that the total of the "White", "Black" and "Spanish-American" columns will never equal the "Total Population" column.

PAGE 15 - CHARACTERISTICS OF INDUSTRIAL FIRMS: 1967

This information was obtained from the Commonwealth of Massachusetts, Division of Employment Security, "Massachusetts Employment and Wages 1967 by Area (City and Town) by Industry, 3 digit," unpublished computer printouts. This information is on industrial establishments subject to the Massachusetts Employment Security Law, Chapter 151A of the General Laws, and generally excludes employment in nonprofit institutions organized for religious, charitable, educational,

or scientific purposes; in domestic service; self employment and unpaid family service; and in governments. A definition of each major industry, such as "Agriculture and Mining", presented in this table, can be found in the following publication: The Commonwealth of Massachusetts, Division of Employment Security, Massachusetts Cities and Towns, Employment and Wages in Establishments Subject to the Massachusetts Employment Security Law by Major Industry Divisions 1967-1971, March, 1973.

#### PAGE 16 - CHARACTERISTICS OF INDUSTRIAL FIRMS: 1972

This information was obtained from the Commonwealth of Massachusetts, Division of Employment Security, "Massachusetts Employment and Wages 1972 by Area (City and Town) by Industry, 3 digit", unpublished computer printouts. This information is on industrial establishments subject to the Massachusetts Employment Security Law, Chapter 151A of the General Laws, and generally excludes employment in nonprofit institutions organized for religious, charitable, educational, or scientific purposes; in domestic service; self employment and unpaid family service; and in governments. A definition of each major industry, such as "Agriculture and Mining", presented in this table, can be found in the following publication: The Commonwealth of Massachusetts, Division of Employment Security, Massachusetts Cities and Towns, Employment and Wages in Establishments Subject to the Massachusetts Employment Security Law by Major Industry Divisions 1967-1971, March, 1973.

#### LAND USE CHARACTERISTICS

##### PAGE 17 - LAND USE PATTERNS IN (CITY OR TOWN NAME)

The percentages measured on this pie chart were calculated from land use pattern information obtained from the Metropolitan Area Planning Council, Preliminary Single Purpose Plan Report, Land Use Numbers, Study Element Number 3.05 of the Southeastern New England Study, October 1973 (compiled for the New England River Basin Study). This report contained information on the number of acres in a city or town utilized for "Residential", "Commercial" and the other remaining categories. The MPP support research staff calculated the percentages that were used to develop the pie chart displayed in this table.

#### HOUSING CHARACTERISTICS

##### PAGE 18 - 1970 CENSUS: SELECTED HOUSING CHARACTERISTICS

This information was obtained from the U.S. Department of Commerce, Bureau of the



Census, 1970 Census of Population and Housing, 1970 Census of Housing, General Housing Characteristics, Massachusetts HC (1)-A23, Tables 1, 8, 18, 23, 24. The median value of owner occupied units does not include those that are in multi-unit structures, trailers, rural units on farms or places of ten or more acres, or on properties any part of which is used as a business.

The U.S. Bureau of the Census defines a housing unit as a house, an apartment, a group of rooms, or a single room occupied or intended for occupancy as separate living quarters. A housing unit was considered vacant if no one was living in it at the time the Census was taken unless its occupants were only temporarily absent. Median value was the owner's estimate of how much the property (house and lot) would sell for, if it were for sale. Median contract rent is the monthly rent agreed to, or contracted for, regardless of any furnishings, utilities, or services that may be included.

PAGE 18 -           1970 CENSUS: NUMBER OF HOUSING UNITS  
by Occupancy Status and Race of Head of Household

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Housing Summary Tapes for Massachusetts, Table 26, "Occupancy/Vacancy Status". The total number of housing units in this table may be slightly lower than the total in the previous table because it does not include vacant migratory and seasonal units. The percentages may not add up to 100 percent because of rounding. An N.A. indicates that this information was not available for the school district. The "White" and "Black" figures may not equal the "Total" column because they do not include people of other racial backgrounds such as Asian-American and Native-American. This information was based on a 20% sample survey.

PAGE 18 - BUILDING PERMITS ISSUED FOR NEW  
Dwelling Units: 1960-71

This information was obtained from the Massachusetts Department of Commerce and Development, City and Town Monograph. This is a separate monograph for each city and town in the Commonwealth of Massachusetts. These monographs, which contain other information on a city or town, are free to the public upon request.

PAGE 19 - NUMBER OF SUBSIDIZED HOUSING UNITS BY TYPE OF CONSTRUCTION  
STATUS: 1973

This information was obtained from the Metropolitan Area Planning Council, (MAPC) Subsidized Housing in the Boston Region as of December 31, 1973, and is available to the public upon request. The MAPC is the regional planning agency for the Boston metropolitan area; it studies the demographic, socio-economic, land use, and housing characteristics of the cities and towns in the Boston metropolitan area. MHFA refers to the Massachusetts Housing Finance Agency.

PAGE 19 - 1970 CENSUS: AGE OF HOUSING UNITS

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Housing Summary Tapes for Massachusetts, Table 8, "Year Structure Built, Tenure, and Race of Head". This information was based on a 20 percent sample survey. Since this information is based on a sample survey, the total number of housing units may not equal the total number of units recorded on other "Housing Characteristic" tables. The number of "Other Occupied Housing Units" was calculated by the MPP support research staff by subtracting the "Black Occupied Housing Units" column from the "Total Housing Units" column. The "Other Occupied Housing Units" are occupied primarily by whites but may also be occupied by Asian-American, Native-American and other racial and ethnic group members. The percentages may not add up to 100 percent because of rounding. An N.A. indicates that this information was not available for the school district. The "Spanish-American" category includes people who are both "White", and "Black" according to the Census definition so that the total of the "White" "Black" and "Spanish-American" columns will never equal the "Total Housing Units" column.

PAGE 20 - 1970 CENSUS: NUMBER OF PERSONS PER ROOM IN OCCUPIED HOUSING UNITS  
By Race of Head of Household

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, First Count Summary Tapes for Massachusetts, Table 30, "Persons per Room, Tenure and Race of Head". The number of "Other Occupied Housing Units" was calculated by the MPP support research staff by subtracting the "Black Occupied Housing Units" column from the "Total Occupied Units" column. An N.A. indicates that this information was not available for the school district. The percentages may not add up to 100 percent because of rounding.

PAGE 20 - 1970 CENSUS: TYPE OF HOUSING STRUCTURE

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Housing Summary Tapes for Massachusetts, Table 9, "Units in Structure, Tenure, and Race, of Head". This information was based on a 20 percent sample survey. Since this information is based on a sample survey, the total number of housing units may not equal the total number of units recorded on other "Housing Characteristic" tables. This information is also available for Black and Spanish-American occupied units, both owner occupied and renter occupied. An N.A. indicates that this information was not available for the school district. The percentages may not add up to 100 percent because of rounding.



PAGE 20 - 1970 CENSUS:  
Average Number of  
Persons per Housing Unit

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Housing Summary Tapes for Massachusetts, Table 37, "Number of Persons in Unit, Tenure, and Race of Head". This information was based on a 20 percent sample survey. This information was calculated by the MPP support research staff by dividing the number of persons in housing units by the total number of housing units. The number of "Other Occupied Housing Units" was calculated by the MPP support research staff by subtracting the "Black Occupied Housing Units" column from the "Total Occupied Housing Units" column.

PAGE 21 - 1970 CENSUS: VALUE OF OWNER OCCUPIED HOUSING UNITS BY RACE OF  
HEAD OF HOUSEHOLD

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Housing Summary Tapes for Massachusetts, Table 52, "Value, Occupancy Status, and Race of Head". This information was based on a 20 percent sample survey. The value of an owner occupied unit was the owner's estimate of how much the property (house and lot) would sell for, if it were for sale. The number of "Other Owner Occupied Units" was calculated by the MPP support research staff by subtracting the "Black Owner Occupied Units" column from the "Total Owner Occupied Units" column. The percentages may not add up to 100 percent because of rounding. An N.A. indicates that this information was not available for the school district. The "Spanish-American" category includes people who are both "White" and "Black" according to the Census definition so that the total of the "White", "Black" and "Spanish-American" column will never equal the "Total Owner Occupied Units" column.

PAGE 22 - 1970 CENSUS: MONTHLY GROSS RENT BY RACE OF HEAD OF HOUSEHOLD

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Housing Summary Tapes for Massachusetts, Table 19, "Gross Rent and Race of Head". This information was based on a 20 percent sample survey. "Monthly Gross Rent" is the monthly rent agreed to, or contracted for, regardless of any furnishings, utilities, or services that may be included plus the estimated average monthly cost of utilities and fuels, if these items are paid for by the renter in addition to rent. The number of "Other Renter Occupied Units" was calculated by the MPP support research staff by subtracting the "Black Renter Occupied Units" column from the "Total Renter Occupied Units" column. An N.A. indicates that this information was not available for the school district. The percentages may not add up to 100 percent because of rounding. The "Spanish-American" category includes people who are both "White" and "Black" according to the Census definition so that the total of the "White", "Black" and "Spanish-American" columns will never equal the "Total Renter Occupied Units" column.

## NOTES AND SOURCES FOR THE INDIVIDUAL SCHOOL PROFILES

### PAGE 1 - SCHOOL DISTRICT #, SCHOOL #

The school district and school number (#) which appear on the upper right hand box are code numbers which are used by the Massachusetts State Department of Education. These code numbers were obtained from the Massachusetts State Department of Education, Bureau of Educational Information Services, Massachusetts School Directory 1973-74.

### PAGE 1 - 1973-74 SCHOOL DISTRICT; SCHOOL NAME; NO. & STREET; City, State, Zip; Grade Organization

This information was obtained from the Massachusetts State Department of Education, Bureau of Educational Information Services, Massachusetts School Directory 1973-74.

### PAGE 1 - FACILITIES

The information on a school's date of initial construction, date(s) of additions or changes, number of rooms for instructional use, and total number of rooms were obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, School Building Inventory, Fall, 1973. There were fifty-eight types of school rooms listed on this form. Forty-two of these rooms were placed by the MPP support research staff in the "Instructional Use" category. These rooms are:

1. Art (General)
2. Arts and Crafts
3. Auditorium
4. Automotive
5. Bandroom
6. Biology Laboratory
7. Bookkeeping
8. Chemistry Laboratory
9. Child Care Center
10. Chorus Room
11. Classroom Regular, (Regular, Interchangeable)
12. Classroom (Seminar Room)
13. Corrective Room (Athletics)
14. Earth Science Laboratory
15. Field House
16. General Science Laboratory
17. Graphic Arts
18. Gymnasium
19. Home Economics (Food)

20. Home Economics (General)
21. Home Economics (Multi-purpose Living Center)
22. Ice Skating Rink
23. Instructional Media Center
24. Language Arts Laboratory
25. Library
26. Mathematics Laboratory
27. Mechanical Drawing
28. Metal Shop
29. Music Room (General)
30. Office Machines
31. Office Practice
32. Physics Laboratory
33. Power Mechanics Shop
34. Sewing Room
35. Shop (General)
36. Social Studies Laboratory
37. Special Education Remedial Rooms
38. Stenography Room
39. Swimming Pool
40. Television Room
41. Typing Room
42. Wood Shop

The remaining sixteen were placed in the "Other Uses" category.  
They are:

1. Administrative Office
2. Audio-Visual Workroom
3. Cafeteria
4. Data Processing
5. Guidance Office
6. Health Suite
7. Kitchen
8. Lavatories (Boys')
9. Lavatories (Girls')
10. Shower and Locker Rooms
11. Storage (Books)
12. Storage (Custodial Supplies)
13. Storage (General Instructional Supplies)
14. Student Activity Room
15. Teachers' Lounge
16. Teachers' Workroom

An N.A. indicates that this information was not available for the school.



The information on "Title I" programs in a school ("Type of Program", "# of Students") was obtained from the Massachusetts State Department of Education, Division of Curriculum and Instruction, Bureau of Curriculum Services, Title I ESEA, "Unpublished Title I Program Documents, 1973-74." The "% School Enrollment" was calculated by the MPP support research staff by dividing the number of students in Title I programs by the total number of students in the school during the 1973-74 school year. The total number of students was obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Enrollment by Classification, Exhibit II, 1973-74. This is the same total that appears in the "Student Ethnic Census: 1973-74" table on page 2. The Title I program is funded by the U.S. Office of Education and was legislated by the U.S. Congress as part of the 1965 Elementary and Secondary Education Act (ESEA). The Title I program provides assistance for "educationally deprived and neglected and delinquent children".

The information on students in the "Lunch Program" ("# Students, Free"; "# Students, Reduced Price") was obtained from the Massachusetts State Department of Education, Bureau of Nutrition Education and School Food Services Education, "Average Number of Lunches Served to Needy". The figures in this table were calculated by taking the number of needy students served lunches in a school during the month of January, 1974 and dividing this number by the number of days schools were opened that month. The "% School Enrollment" was calculated by the MPP support research staff, 1973-74, by dividing the number of "Lunch Program" students by the 1973-74 school enrollment obtained from the Massachusetts State Department of Education, Division of Research, Planning and Evaluation, Enrollment by Classification, Exhibit II, 1973-74.

The information on students eligible for the "Bilingual Program" was obtained from the Massachusetts State Department of Education, Bureau of Transitional Bilingual Education, Census of Children of Limited English Speaking Ability on October 1, 1973, under Chapter 71A, Act of 1971. This Census of all public school students is conducted each year in order to determine how many students are of limited English speaking ability as defined in Chapter 71A and, thus, eligible for transitional bilingual classes. The "% School Enrollment" was calculated by the MPP support research staff by dividing the number of eligible bilingual students by the 1973-74 school enrollment obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Enrollment by Classification, Exhibit II, 1973-74.

The information on the number of METCO (Metropolitan Council for Educational Opportunities, Inc.) students was obtained from the METCO files, "Unpublished Student Enrollment Records", August, 1974. METCO is a state funded interdistrict transfer program which transports children from Boston to suburban school districts. The "% School Enrollment" was calculated by the MPP support research staff by dividing the number of METCO students by the 1973-74 school enrollment obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Enrollment by Classification, Exhibit II, 1973-74.



This information was obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, 1973-74 Professional Staff Survey. The figures in this table are not always an accurate total of the number of professional staff employed in a school because some staff members may not have filled in a survey. In addition, some staff members may have completed one section of the survey but not another section. As a result, the totals under the "Age", "Years in Present System", and "Position" columns may not be the same. The total number (#) of professional staff recorded in the "Census" column is the largest number of staff found in either the "Age", "Years in Present System", or "Position" categories. The "Total" number of professional staff members may be greater than the total number of "White", "Black", "Spanish Surname", "Asian-American", "Native-American", and "Other" professional staff members because some people who answered this survey did not indicate their racial or ethnic background. An N.A. indicates that this information was not available for the school.

The survey form had 24 different position codes. These positions were reclassified, by the MPP support research staff, under one of these four headings: "Administrators", "Teachers", "Teacher Aides", and "Other Professionals".

"Administrators" include the following positions:

1. Administrative Assistant
2. Assistant Director or Manager
3. Assistant or Vice-Principal
4. Assistant Superintendent
5. Assistant Supervisor
6. Director or Manager (Pupils or Programs)
7. Principal
8. Research
9. Superintendent

"Teachers" include:

1. Itinerant Teacher
2. Special Class Teacher (Handicapped)
3. Specialist (Reading, Speech, etc.)
4. Teacher

"Teacher Aides" include:

1. Teacher Aide

"Other Professionals" include:

1. Attendance Supervisor
2. Chairman or Department Head
3. Counselor
4. Librarian
5. Nurse
6. Other Professional or Technical Personnel
7. Psychologist
8. Psychometrist
9. Social Worker (Adjustment Counselor)
10. Supervisor or Consultant (Staff Improvement)

PAGE 2 - STUDENT ETHNIC CENSUS: 1973-74

This information was obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Enrollment by Classification, Exhibit II, 1973-74. The figures in the "White" column include "White" students and students of racial backgrounds other than "Black", "Native-American", "Asian-American", and "Spanish Surname". "Spanish Surname" students were placed in the "Non-white" category.

PAGE 2 - RACIAL CENSUS: 1967-68; 1970-71; 1972-73

The information on the "Total", "White", and "Non-white" enrollments for these three school years were obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Racial Census, October, 1967; Racial Census, October, 1970; and Racial Census, October, 1972. The Racial Census does not indicate which students were considered "White" and which were considered "Non-white".

PAGE 2 - RACIAL CENSUS: ENROLLMENT CHANGE 1967-1972

These figures were calculated from the previous table by the MPP support research staff. The figures under the number sign (#) column were calculated by subtracting from the "Total", "White" or "Non-white" enrollment for the 1972-73 school year, the "Total", "White" or "Non-white" enrollment for the 1967-68 school year. For example, if the 1972-73 total enrollment was 100 students and the 1967-68 enrollment was 50 students, the enrollment change would be +50(100-50) and this figure would appear in the appropriate box. The figures under the percent(%) column were derived by dividing the difference between the 1972-73 and 1967-68 enrollment by the 1967-68 enrollment. If the difference, for example, between the 1972-73 and 1967-68 enrollments were +50 and the 1967-68 enrollment were 50, the percent change would be +100(50/50). The figures under the "% Change in Proportional Distribution" column were calculated as follows:

The "% White" (or "% Non-white") for 1972-73 was subtracted from the "% White" (or "% Non-white") for 1967-68.

This difference was divided by the "% White" (or "% Non-white") for 1967-68 and this is the figure that was recorded. For example, if the "% White" in 1967-68 was 75% and the "% White" in 1972-73 was 50%, the "% Change in Proportional Distribution" would be calculated as follows:  
$$(50-75)/75 = (-25)/75 = -0.33.$$

Since the percent "Total Enrollment" is always 100%, no "% Change in Proportional Distribution" was calculated or recorded for "Total Enrollment". If there is a percent change from 0 to any number, the "% Change in Proportional Distribution" is mathematically undefined. This is noted by the word "Undefined".

PAGE 2 - FOLLOW-UP OF HIGH SCHOOL GRADUATES: 1968-1972

The information on the post high school placement of 1968 graduates was obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Distribution of Graduating Class, 1969. The number of students in each of the various placement categories may not equal the total number of high school graduates because information on all placements was not available. If there was no information available on high school graduates in a particular school, this is noted by an N.A. in the first column (under the # sign). The information on the 1972 graduates was obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Distribution of High School Graduates, Class of 1972, Fall 1973. The percentages in the 1972 column may not add up to 100% because of rounding. This table is only displayed for high schools; the profiles for elementary and junior high schools do not have this table.

PAGE 2 - ELIGIBLE TRANSITIONAL BILINGUAL STUDENTS: 1973-74

The number of students eligible for a transitional bilingual program was obtained from the Massachusetts State Department of Education, Bureau of Transitional Bilingual Education, Census of Children of Limited English Speaking Ability on October 1, 1973, under Chapter 71A, Act of 1971. This Census of all public school students is conducted each year in order to determine how many students are of limited English speaking ability as defined in Chapter 71A and, thus, eligible for transitional bilingual classes. The "Percent of Bilingual Enrollment" was calculated by the MPP support research staff by dividing the number of students in each language category, such as "Chinese" or "French" by the "Total" number of eligible bilingual students.

Leslie Steven May





METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE # 171 MARSHFIELD

EDUCATIONAL CHARACTERISTICS

NUMBER OF SCHOOLS AND ENROLLMENT By Type of School: 1973-74				
Type of School	Number of Schools	Enrollment		
		Total	White	Non-white
Elementary	5	2,721	2,690	31
Junior High	2	1,328	1,307	21
High School	1	1,580	1,564	16
Special & Ungraded	0			
Regional	0			
Vocational	0			
Total	8	5,629	5,561	68

SCHOOL ATTENDING CHILDREN IN PUBLIC and Non-public Schools				
Year	Total	Public		Non-public
		#	%	# %
1967-68	3,592	3,388	94.3	204 5.7
1970-71	4,732	4,472	94.5	260 5.5
1972-73	5,256	4,934	93.9	322 6.1

EDUCATIONAL COLLABORATIVE PARTICIPATION 1973-74	
Massachusetts Association of School Business Officials (MASBO); Merrimac Education Center; Collaborative Approach to Processing of Teacher Applications (CAPTA);	Lighthouse Educational Corporation; Metropolitan Planning Project - Applicant District

1970 CENSUS: SCHOOL ENROLLMENT FOR Level and Type of School by Race (Population 3 - 34 years)									
Level and Type of School	Total		White		Black		Spanish-American		
	#	%	#	%	#	%	#	%	
Nursery School <sup>1</sup>									
Public	4	0.1	4	0.1	0	0	0	0	0
Parochial	0								
Private	120	2.4	115	2.4	5	6.6	0	0	0
Kindergarten									
Public	23	0.5	15	0.3	8	10.7	0	0	0
Parochial	20	0.5	20	0.4	0	0	0	0	0
Private	155	3.0	155	3.2	0	0	0	0	0
Elementary (1-8)									
Public	3,084	62.4	3,039	62.4	45	60.0	22	81.5	
Parochial	18	0.3	18	0.4	0	0	0	0	0
Private	5	0.1	5	0.1	0	0	0	0	0
High School (1-4)									
Public	1,033	21.0	1,016	20.9	17	22.7	5	18.5	
Parochial	6	0.1	6	0.1	0	0	0	0	0
Private	53	11.0	53	1.1	0	0	0	0	0
College									
Public	185	37.0	185	3.8	0	0	0	0	0
Private	238	4.8	238	4.9	0	0	0	0	0

FEDERALLY-FUNDED PROGRAMS		
Program	# of Students	% Total Enrollment
Title I	0	
Title III	0	



EDUCATIONAL CHARACTERISTICS

RACIAL CENSUS: 1967-68; 1970-71; 1972-73					
Years	Total Enrollment	White		Non-white	
		#	%	#	%
1967-1968	2,742	2,689	98.1	53	1.9
1970-1971	4,441	4,363	98.2	78	1.8
1972-1973	4,922	4,872	99.0	50	1.0

RACIAL CENSUS: ENROLLMENT CHANGE 1967-1972				
	#	%		% Change in Proportional Distribution
TOTAL	+2,180		+79.5	
White	+2,183		+81.2	+0.9
Non-white	-3		-5.7	-47.4

STUDENT ETHNIC CENSUS: 1973-74					
	Black	Non-white			Spanish Surname
		Native-American	Asian-American		
Number	47	0	4	17	
Percent	0.8		0.1	0.3	

FOLLOW UP OF HIGH SCHOOL GRADUATES: 1968; 1972						
Post High School Placement	Class of					
	1968			1972		
	#	%	#	%	#	%
4-yr. State College	16	11.6	39	14.1		
4-yr. Other College	39	28.3	63	22.7		
2-yr. State College	7	5.1	17	6.1		
2-yr. Other College	25	18.1	31	11.2		
Nurses Training	4	2.9	5	1.8		
Other Post Secondary	14	10.1	5	1.8		
Military	8	5.8	6	2.2		
Work	22	15.9	100	36.1		
Other	4	2.9	11	4.0		
TOTAL	138	100.0	277	100.0		

ELIGIBLE TRANSITIONAL BILINGUAL STUDENTS: 1973-74		
Language	Number of Students	Percent of Bilingual Enrollment
TOTAL	0	
Chinese		
French		
Greek		
Italian		
Portuguese		
Spanish		
Other		





METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE # 171 MARSHFIELD

EDUCATIONAL CHARACTERISTICS

PUBLIC SCHOOL STUDENT ENROLLMENTS: 1964 - 1982					
Past Enrollments: 1964 - 1972					
Projected Enrollments: 1973 - 1982					
School Year Beginning in Fall of	Total K-12 (R <sup>2</sup> = .948)	Total K-6 (R <sup>2</sup> = .937)	Total 7-12 (R <sup>2</sup> = .953)	White K-12 (R <sup>2</sup> = .950)	Non-white K-12 (R <sup>2</sup> = .381)
1964	2275.00	1339.24	939.764	2233.00	46.0000
1965	2651.00	1581.28	1069.72	2611.00	40.0000
1966	2463.00	1469.14	993.858	2425.00	38.0000
1967	2742.00	1673.71	1068.29	2689.00	53.0000
1968	3717.00	2222.00	1495.00	3643.00	74.0000
1969	4109.00	2401.00	1708.00	4043.00	66.0000
1970	4432.00	2497.00	1935.00	4351.00	81.0000
1971	4715.00	2598.65	2116.35	4641.00	74.0000
1972	4922.00	2692.00	2230.00	4872.00	50.0000
1973	5392.01	2875.18	2541.29	5339.17	76.0833
1974	5708.47	2977.97	2786.39	5666.96	79.7000
1975	5996.72	3063.83	3033.95	5968.61	83.3166
1976	6255.40	3134.67	3280.56	6242.11	86.9333
1977	6484.48	3192.53	3522.82	6486.78	90.5499
1978	6684.53	3239.41	3757.59	6703.07	94.1666
1979	6858.66	3277.13	3982.12	6892.23	97.7833
1980	7007.76	3307.31	4194.15	7056.14	101.400
1981	7134.80	3331.36	4392.01	7197.03	105.017
1982	7242.31	3350.46	4574.60	7317.29	108.633



METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE # 171 MARSHFIELD

EDUCATIONAL CHARACTERISTICS

NUMBER OF TEACHERS BY RACE: 1972-73									
Total	White		Non-White		Non-white				
	#	%	#	%	Black	Asian-American	Native-American	Spanish Surname	
251	247	98.4	4	1.6	3	0	0	1	0.4

NUMBER OF TEACHERS, TEACHER AIDES AND OTHER PROFESSIONAL STAFF: 1973-74													
Staff Status	Total	White		Non-white		Non-white					Other		
		#	%	#	%	Black	Asian-American	Native-American	Spanish Surname		#	%	%
Teachers	279	272	97.5	7	2.5	4	0	0	3	1.1	0		
Teacher Aides	18	18	100.0	0									
Other Professional Staff	55	55	100.0	0									
Total	352	345	98.0	7	2.0	4	0	0	3	0.9	0		





# METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE # 171 MARSHFIELD

## EDUCATIONAL CHARACTERISTICS

SELECTED FINANCIAL CHARACTERISTICS						
Year	% Municipal Tax Spent on Education	Comprehensive Per Pupil Expenditure (in \$)			Public School Attending Children Transported at Public Expense	
		Total	Elementary School	Junior High School	High School	
1967-68	57.4	673	566	715	1,085	3,305
1970-71	56.5	857	754	902	1,048	3,941
1972-73	58.0	978	856	1,017	1,185	4,370
						97.6
						88.1
						88.6
						20,741
						19,442
						19,977

1973 TAX RATE	
Official	Equalized
66.50	66.50

1973 SCHOOL TAX RATE	
Official	Equalized
38.82	38.82

1973 MOODY'S BOND RATING
A

PUBLIC SCHOOL STUDENTS		
Receiving Subsidized Lunches: 1973-74		
	# of Lunch Program Students	% of Total Enrollment
TOTAL	412	7.3
Free	412	7.3
Reduced Price	0	

STUDENTS ENROLLED IN METCO		
Year	# METCO Students	% of Total Enrollment
1967-68	0	
1970-71	0	
1972-73	0	
1973-74	0	



## EDUCATIONAL CHARACTERISTICS

PERCENT DISTRIBUTION OF SCHOOL REVENUES: 1967-68; 1970-71; 1972-73									
Year	Total Public School Funds Provided *	Local Sources \$	%	Commonwealth Sources \$	%	Federal Sources \$	%	Other School Districts \$	%
1967-68	3,073,033	2,396,357	78.0	471,660	15.3	232,556	7.6	0	
1970-71	5,192,510	4,069,963	78.4	1,019,231	19.6	108,513	2.1	0	
1972-73	6,629,351	3,959,566	59.7	2,439,292	36.8	222,915	3.4	1,200	0.0
Notes: *The amount of Total Public School Funds Provided is not necessarily equal to the total of the Local, Commonwealth, Federal, and Other School District revenues because the total incorporates an adjustment figure reported in the annual budget for the beginning and ending balance.									

ABSOLUTE DOLLAR AND PERCENT CHANGES IN REVENUES: 1967-72									
Changes in Public School Funds Provided 1967-72	Total \$	%	Local Sources \$	%	Commonwealth Sources \$	%	Federal Sources \$	%	Other School Districts \$
	3,556,318	115.7	1,563,209	65.2	1,967,632	417.2	-9,641	- 4.1	1,200
									Undefined

PERCENT CHANGE IN PROPORTIONAL DISTRIBUTION OF REVENUES: 1967-72				
% Change in Proportional Distribution of Revenue 1967-72	Local Sources	Commonwealth Sources	Federal Sources	Other School Districts
	- 23.5	140.5	- 55.3	Undefined





## EDUCATIONAL CHARACTERISTICS

PERCENT DISTRIBUTION OF SCHOOL EXPENDITURES: 1967-68; 1970-71; 1972-73															
Year	Total Public School Funds Applied	Expenditures by School Committee						Expenditures for Services provided by Other Municipal Agencies		Expenditures for Regional School Assessments		Expenditures of Federal Funds		Expenditures of Revolving Funds	
		Administration		Instruction		Other*		\$	%	\$	%	\$	%	\$	%
		\$	%	\$	%	\$	%								
1967-68	3,073,033	57,854	1.9	1,802,569	58.6	488,900	15.9	528,814	17.2	0		33,411	1.1	161,485	5.3
1970-71	5,192,510	73,061	1.4	2,882,765	55.5	770,008	14.8	1,137,264	21.9	0		47,736	0.9	281,676	5.4
1972-73	6,629,351	131,336	2.0	3,609,756	54.4	950,512	14.4	1,536,278	23.2	0		90,853	1.4	310,616	4.7

ABSOLUTE DOLLAR AND PERCENT CHANGES IN EXPENDITURES: 1967-72															
Changes in Public School Funds Expended 1967-72	Total Public School Funds Applied \$	Expenditures by School Committee						Expenditures for Services provided by Other Municipal Agencies		Expenditures for Regional School Assessments		Expenditures of Federal Funds		Expenditures of Revolving Funds	
		Administration		Instruction		Other*		\$	%	\$	%	\$	%	\$	%
		\$	%	\$	%	\$	%								
		73,482	127.0	1,807,187	100.3	461,612	94.4	1,007,464	190.5	0	0.0	57,442	171.9	149,131	92.3

PERCENT CHANGE IN PROPORTIONAL DISTRIBUTION OF EXPENDITURES: 1967-72							
Percent Change in Proportional Distribution of Expenditures 1967-72	Expenditures by School Committee			Expenditures for Services provided by Other Municipal Agencies	Expenditures of Regional School Assessments	Expenditures of Federal Funds	Expenditures of Revolving Funds
	Administration	Instruction	Other*				
	5.3	-7.2	-9.4	34.9	0.0	27.3	-11.3

Note: \*Other includes the following categories: attendance, health service, pupil transportation, food services, athletics, other student-body activities, operation and maintenance of plant, fixed charges, community services, acquisitions of fixed assets, debt retirement and debt services, and programs with other districts.



METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE # 171 MARSHFIELD

EDUCATIONAL CHARACTERISTICS

1970 CENSUS: COUNT OF PERSONS 25 YEARS OF AGE AND OVER BY RACE AND YEARS OF SCHOOL COMPLETED									
Level and Years of School Completed	Total Population		White		Black		Spanish-American		
	#	%	#	%	#	%	#	%	
No School Year Completed	25	0.3	25	0.3	0		0		
Elementary: 1-4 years	54	0.7	54	0.7	0		0		
5-6 years	98	1.3	93	1.3	5	8.1	0		
7 years	118	1.6	118	1.6	0		0		
8 years	404	5.4	395	5.3	5	8.1	0		
High School: 1-3 years	1,155	15.4	1,150	15.5	5	8.1	0		
4 years	3,246	43.2	3,207	43.1	34	54.8	0		
College: 1-3 years	1,214	16.2	1,201	16.2	13	21.0	4	23.5	
4 years	744	9.9	744	10.0	0		0		
5 years or more	448	6.0	448	6.0	0		13	76.5	
Total	7,506	100.0	7,435	100.0	62	100.0	17	100.0	

MEDIAN SCHOOL YEARS COMPLETED				
Total Population	White	Black	Spanish-American	
12.2	12.2	11.9	18.7	





METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE # 171 MARSHFIELD

DEMOGRAPHIC CHARACTERISTICS

CENSUS POPULATION BY RACE AND SPANISH LANGUAGE: 1960; 1970													
Year	Total Population	Total Population				Non-White						Spanish Language	
		White		Non-white		Black		Native-American		Asian-American		Other	
		#	%	#	%	#	%	#	%	#	%	#	%
1960	6,748	6,613	98.0	135	2.0	131	1.9	0		0		4	0.1
1970	15,223	15,031	98.7	192	1.3	144	0.9	8	0.1	18	0.1	22	0.1
1960-1970 Increase (+) Decrease (-)		+8,418	127.3	+57	42.2	+13	9.9	+8	Under- fined	+18	Under- fined	+18	450.0
% Change in Proportional Distribution		+0.7		-35.0		-52.6		Undefined		Undefined		0.0	
												48	0.3
												Not Available	

CENSUS POPULATION INCREASE OR DECREASE: 1960-1970		
1960-70 Increase (+) or Decrease (-)		+8,475
% Change 1960-70 Increase (+) or Decrease (-)		+125.6
Balance of Births to Deaths		
Excess of Births (+)		+1,338
Excess of Deaths (-)		
Net Migration		
Excess of People Moving In (+)		+7,137
Excess of People Moving Out (-)		

1970 CENSUS: FERTILITY RATIO BY RACE		
Total Population		1.962:1
White		1.939:1
Black		4.413:1
Spanish-American		4.000:1



DEMOGRAPHIC CHARACTERISTICS

1970 CENSUS: Household Population by Race			
Race	Total Population #	Population in Households	
		#	%
White	15,031	14,963	98.7
Black	144	144	1.0
Other	48	48	0.3
Total	15,223	15,155	100.0

1970 CENSUS: Number of Families by Sex of Family Head				
Family Head	Total Population	White	Black	Spanish-American
Male	3,330	3,297	28	5
Female	248	248	0	0
Total	3,578	3,545	28	5

1970 CENSUS: AGE DISTRIBUTION BY RACE									
Age	Total	White		Non-white		Non-white			
		#	%	#	%	Black		Other	
						#	%	#	%
Under 5	1,829	1,807	12.0	22	11.5	13	9.0	9	18.8
5 - 9	2,004	1,972	13.1	32	16.7	20	13.9	12	25.0
10 - 14	1,843	1,806	12.0	37	19.3	31	21.5	6	12.5
15 - 19	1,182	1,172	7.8	10	5.2	10	6.9	0	
20 - 24	855	850	5.7	5	2.6	4	2.8	1	2.1
25 - 44	4,125	4,074	27.1	51	26.6	39	27.1	12	25.0
45 - 64	2,366	2,340	15.6	26	13.5	19	13.2	7	14.6
65 and Over	1,019	1,010	6.7	9	4.7	8	5.6	1	2.1
Total	15,223	15,031	100.0	192	100.0	144	100.0	48	100.0





DEMOGRAPHIC CHARACTERISTICS

1970 CENSUS: NATIVITY AND PARENTAGE					
Nativity	Total Population		White		Black
	#	%	#	#	#
Native of Native Parent	11,870	78.0	11,703	161	13
Foreign Stock	3,353	22.0	3,346	7	35
Total	15,223	100.0	15,049	168	48

1970 CENSUS: MOST FREQUENT COUNTRY of Origin of Foreign Stock			
Country of Origin	# of Persons	% Foreign Stock Population	
Canada	1,021	30.5	
Ireland	591	17.6	
United Kingdom	496	14.8	
Italy	312	9.3	

1970 CENSUS: SPANISH POPULATION INDICATORS		
Indicators	# of Persons	% of Total Population
Spanish Origin or Descent	81	0.5
Puerto Rican Birth or Parentage	7	0.0
Spanish Language	48	0.3

1970 CENSUS: MOST FREQUENT MOTHER TONGUES Other Than English		
Mother Tongue	# of Persons	% of Total Population
French	311	2.0
Italian	279	1.8
German	173	1.1
Portuguese	107	0.7



## ECONOMIC CHARACTERISTICS

1970 CENSUS: NUMBER OF EMPLOYED PERSONS 16 YEARS OLD AND OVER BY OCCUPATION									
Occupation	Total Persons Employed		White		Black		Spanish-American		
	#	%	#	%	#	%	#	%	
Professional, Technical and Kindred Workers	951	17.7	939	17.7	12	21.8	0		
Managers and Administrators, except Farm	741	13.8	736	13.9	5	9.1	5	100.0	
Sales Workers	518	9.6	518	9.8	0		0		
Clerical and Kindred Workers	834	15.5	828	15.6	6	10.9	0		
Craftsmen, Foremen and Kindred Workers	847	15.8	827	15.6	15	27.3	0		
Operatives, except Transport	417	7.8	406	7.6	7	12.7	0		
Transport Equipment Operatives	181	3.4	174	3.3	7	12.7	0		
Laborers, except Farm	139	2.6	136	2.6	3	5.5	0		
Farmers and Farm Managers	20	0.4	20	0.4	0		0		
Farm Laborers and Foremen	7	0.1	7	0.1	0		0		
Service Workers, except Private Household	688	12.8	688	13.0	0		0		
Private Household Workers	30	0.6	30	0.6	0		0		
Total	5,373	100.0	5,309	100.0	55	100.0	5	100.0	





METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE # 171 MARSHFIELD

ECONOMIC CHARACTERISTICS

MEDIAN INCOME: 1960 CENSUS; 1970 CENSUS								
Year	Families			Unrelated Individuals				
	All	White	Black	Spanish-American	All	White	Black	Spanish-American
1960	N.A.				N.A.			
1970	\$11,740	\$11,712	\$12,900	\$20,000	\$3,490	\$3,490	N.A.	\$11,000

1970 CENSUS: EMPLOYMENT STATUS BY RACE of Persons 16 Years of Age and Over in Labor Force									
Employment Status	Total Population		White		Black		Spanish-American		
	#	%	#	%	#	%	#	%	%
Employed	5,373	95.0	5,309	95.5	55	100.0	5	100.0	
Unemployed	253	4.0	253	4.5	0		0		
Total	5,626	100.0	5,562	100.0	55	100.0	5	100.0	



METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE # 171 MARSHFIELD

ECONOMIC CHARACTERISTICS

1970 CENSUS: Number of Persons in Families and Number of Unrelated Individuals with Income Less Than Poverty Level								
Family Status	Total Population		White		Black		Spanish-American	
	#	%	#	%	#	%	#	%
Persons in Families	689	81.3	689	81.3	0		0	
Unrelated Individuals	159	18.8	159	18.8	0		0	
Total	848	100.0	848	100.0	0		0	

1970 CENSUS: Number of Related Children Under 18 in Families Below Poverty Level by Presence of Parents								
Parental Presence	Total Population		White		Black		Spanish-American	
	#	%	#	%	#	%	#	%
Living with Both Parents	250	3.8	250	3.9	0		0	
Other	169	2.6	169	2.6	0		0	
Total	419	6.4	419	6.6	0		0	





METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE # 171 MARSHFIELD

ECONOMIC CHARACTERISTICS

CHARACTERISTICS OF INDUSTRIAL FIRMS: 1967					
Industry	Number of Firms	Annual Payroll in \$	Average Number of Employees	Average Annual Wage in \$	
Agriculture and Mining	2	20,520	5	4,104	
Construction	29	679,949	112	6,071	
Manufacturing	8	571,739	88	6,497	
Transportation, Communication, and Utilities	2	21,111	4	5,278	
Wholesale and Retail Trade	74	1,241,019	326	3,807	
Finance, Insurance, Real Estate	5	76,734	14	5,481	
Service Industries	36	403,608	143	2,822	
Total	156	3,014,680	692	4,356	



METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE # 171 MARSHFIELD

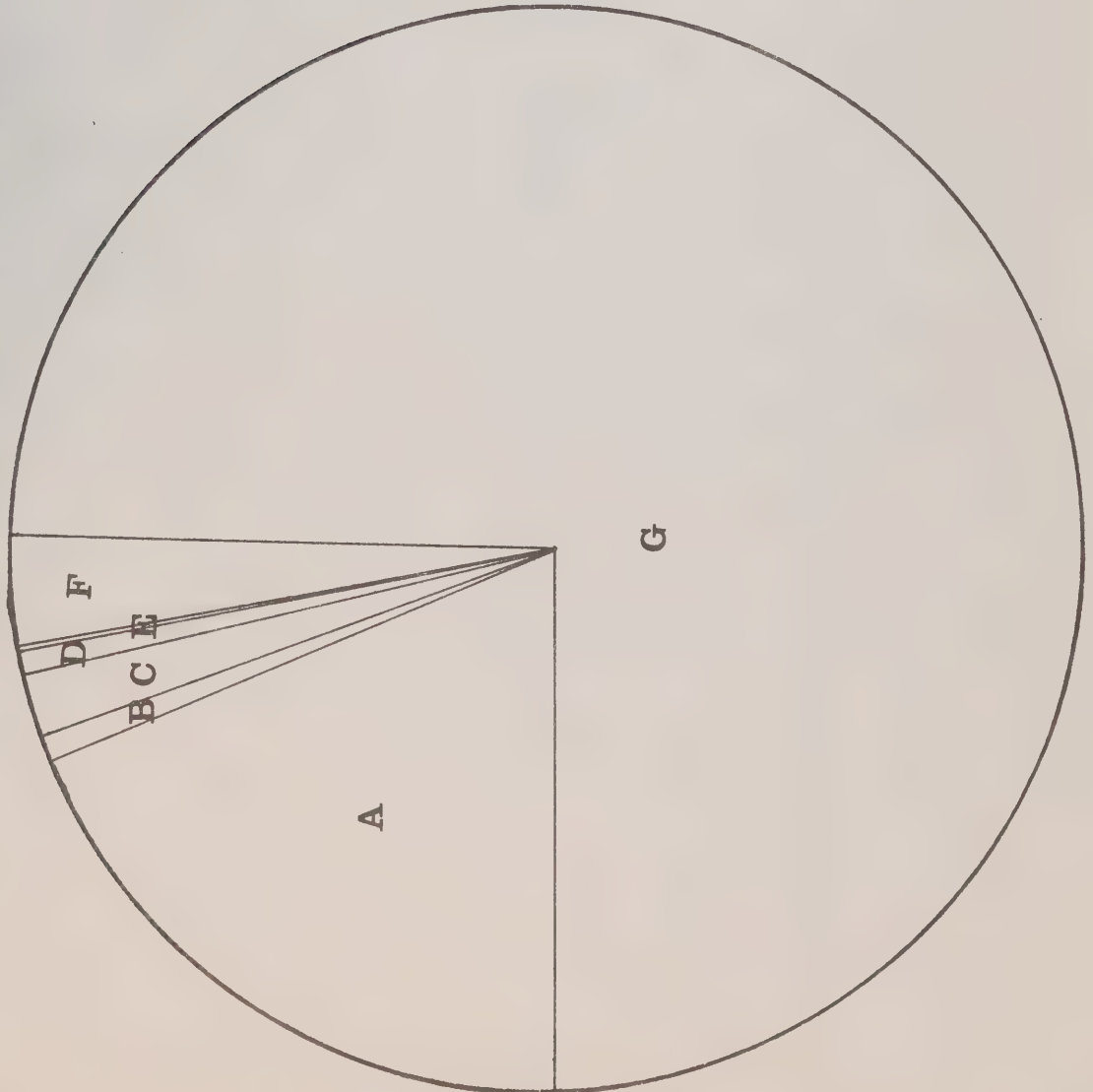
ECONOMIC CHARACTERISTICS

CHARACTERISTICS OF INDUSTRIAL FIRMS: 1972				
Industry	Number of Firms	Annual Payroll in \$	Average Number of Employees	Average Annual Wage in \$
Agriculture and Mining	1	3,928	1	3,928
Construction	46	2,091,245	220	9,506
Manufacturing	7	1,392,584	148	9,409
Transportation, Communication, and Utilities	10	404,522	58	6,975
Wholesale and Retail Trade	80	3,153,260	651	4,844
Finance, Insurance, Real Estate	12	225,260	29	7,768
Service Industries	43	967,282	221	4,377
Total	199	8,238,081	1,327	6,208



1971 LAND USE PATTERN IN

# MARSHFIELD







METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE # 171 MARSHFIELD

HOUSING CHARACTERISTICS

1970 CENSUS: SELECTED HOUSING CHARACTERISTICS											
Total Housing Units				Occupied Housing Units				Median Value Owner Occupied Unit			
Total		Vacant		Occupied		Total		Owner Occupied		Renter Occupied	
#	%	#	%	#	%	#	%	#	%	#	%
5,359	100.0	1,234	23.0	4,125	77.0	4,125	100.0	3,530	85.6	595	14.4
								\$		\$	
								20,700		127	

1970 CENSUS: NUMBER OF HOUSING UNITS by Occupancy Status and Race of Head of Household						
Occupancy Status	Total		White Head of Household		Black Head of Household	
	#	%	#	%	#	%
Owner Occupied	3,530	81.3	3,494	85.6	30	88.2
Renter Occupied	595	13.7	587	14.4	4	11.8
Vacant Year Round	215	5.0	Not Applicable			
Total	4,340	100.0	4,081	100.0	34	100.0

BUILDING PERMITS ISSUED FOR NEW Dwelling Units: 1960-1971	
Year Issued	Number
1960-1964	651
1965-1970	1,241
1971	697
Total	2,589



METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE # 171 MARSHFIELD

HOUSING CHARACTERISTICS

NUMBER OF SUBSIDIZED HOUSING UNITS BY TYPE OF UNIT BY CONSTRUCTION STATUS: 1973									
Status	Total Subsidized Units	Low Income Units			Moderate Income Units			MHFA Low-Moderate Income Units	
		Elderly	Family	Leased	Elderly	Family Homeownership	Rental Assistance	Low	Moderate
Completed	129	64	0	1	0	0	64	0	0
Under Construction	0								
In Planning	0								

1970 CENSUS: AGE OF HOUSING UNITS									
Year Built	Total Housing Units		Black Occupied Housing Units		Other Occupied Housing Units		Spanish-American Occupied Housing Units		
	#	%	#	%	#	%	#	%	
1965-March 1970	978	22.6							
1960-1964	689	15.9							
1950-1959	1,051	24.3							
1940-1949	411	9.5							
1939 or earlier	1,192	27.6							
Total	4,321	100.0	N.A.		N.A.		N.A.		





METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE # 171 MARSHFIELD

HOUSING CHARACTERISTICS

1970 CENSUS: NUMBER OF PERSONS PER ROOM IN OCCUPIED HOUSING UNITS by Race of Head of Household						
Persons per Room	Total Occupied Units		Black Occupied Units		Other Occupied Units	
	#	%	#	%	#	%
1.00 or less	3,806	92.3	30	88.2	3,776	92.3
1.01 to 1.50	276	6.7	4	11.8	272	6.6
1.51 or more	43	1.0	0		43	1.1
Total	4,125	100.0	34	100.0	4,091	100.0

1970 CENSUS: TYPE OF HOUSING STRUCTURE		
Type	# of Structures	% of Housing Units
1 Unit	4,127	95.5
2 Units	42	1.0
3-4 Units	49	1.1
5-9 Units	34	0.8
10 or more Units	69	1.6
Mobile Home or Trailer	0	
Total	4,321	100.0

1970 CENSUS: Average Number of Persons per Housing Unit	
Total Occupied Housing Units	3.7
Black Occupied Housing Units	4.9
Other Occupied Housing Units	3.6
Spanish-American Occupied Housing Units	N.A.



METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE # 171 MARSHFIELD

HOUSING CHARACTERISTICS

1970 CENSUS: VALUE OF OWNER OCCUPIED HOUSING UNITS BY RACE OF HEAD OF HOUSEHOLD									
	Total Owner		Black Owner		Other Owner		Spanish-American		
	#	%	Occupied Units	%	Occupied Units	%	Owner Occupied Units	%	
Less than \$5,000	6	0.2	0		6	0.2			
\$5,000 - \$7,499	16	0.5	0		16	0.5			
\$7,500 - \$9,999	101	3.0	0		101	3.1			
\$10,000 - \$12,499	250	7.5	0		250	7.6			
\$12,500 - \$14,999	323	9.7	0		323	9.8			
\$15,000 - \$17,499	452	13.5	0		452	13.7			
\$17,500 - \$19,999	337	10.1	5	17.2	332	10.0			
\$20,000 - \$24,999	741	22.2	20	69.0	721	21.8			
\$25,000 - \$34,999	783	23.5	4	13.8	779	23.6			
\$35,000 - \$49,999	248	7.4	0		248	7.5			
\$50,000 and over	79	2.4	0		79	2.4			
Total	3,336	100.0	29	100.0	3,307	100.0			N.A.



METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE # 171 MARSHFIELD

HOUSING CHARACTERISTICS

1970 CENSUS: MONTHLY GROSS RENT BY RACE OF HEAD OF HOUSEHOLD									
Monthly Gross Rent	Total Renter Occupied Units		Black Renter Occupied Units		Other Renter Occupied Units		Spanish-American Renter Occupied Units		
	#	%	#	%	#	%	#	%	
Less than \$30	0	0.0							
\$30 - \$49	0	0.0							
\$50 - \$69	10	1.7							
\$70 - \$89	28	4.9							
\$90 - \$119	54	9.4							
\$120 - \$149	140	24.3							
\$150 - \$199	194	33.6							
\$200 - \$249	64	11.1							
\$250 - \$299	24	4.2							
\$300 or more	22	3.8							
No Cash Rent	41	7.1							
Total	577	100.0	N.A.		N.A.		N.A.		





# METROPOLITAN PLANNING PROJECT/INDIVIDUAL SCHOOL PROFILE

1973-74		School District # 171	
School District:	Marshfield	School # 005	
School Name:	Eames Way		
No. & Street:	Eames Way		
City, State, Zip:	Marshfield, Mass. 02050		
Grade Organization:	K-3		
Facilities:			
Initial Construction Date:	1961		
Dates of Additions or Changes:			
# Rooms, Instructional Use:	21		
# Rooms, Other Uses:	18		
TOTAL	39		

1973-74		School District # 171	
Federal Programs		School # 005	
Title I:			
Type of Program:			
# of Students:	0		
% School Enrollment:			
Lunch Program:			
# Students, Free:	16		
# Students, Reduced Price:	0		
TOTAL	16		
% School Enrollment:	4.2		
Bilingual Program:			
# Eligible Students:	0		
% School Enrollment:			
METCO Interdistrict Program:			
# Students:	0		
% School Enrollment:			

STAFF ETHNIC CENSUS: 1973-74													
Professional Staff	Census		Age				Years in Present System			Position			
	#	%	Under 26	26-34	35-55	56 & Over	Under 3	3-9	10 & Over	Administrators	Teachers	Teacher Aides	Other Professionals
TOTAL	21	100.0	4	1	11	2	2	11	5	2	16	0	3
White	17	81.0	2	1	10	2	1	10	4	2	13	0	2
Black	0		0	0	0	0	0	0	0	0	0	0	0
Spanish Surname	0		0	0	0	0	0	0	0	0	0	0	0
Asian-American	0		0	0	0	0	0	0	0	0	0	0	0
Native-American	0		0	0	0	0	0	0	0	0	0	0	0
Other	4	19.0	2	0	1	0	1	1	1	0	3	0	1



STUDENT ETHNIC CENSUS: 1973-74						
Total		White	Non-white	Black	Non-white	
					Native-American	Asian-American
						Spanish Surname
Number	379	370	9	4	0	5
Percent	100.0	97.6	2.4	1.1		1.3

School District # 171  
School # 005

RACIAL CENSUS: 1967-68, 1970-71, 1972-73					
Years	Total Enrollment	White		Non-white	
		#	%	#	%
1967-1968	405	385	95.1	20	4.9
1970-1971	339	327	96.5	12	3.5
1972-1973	387	385	99.5	2	0.5

RACIAL CENSUS: ENROLLMENT CHANGE 1967-1972			
	#	%	% Change in Proportional Distribution
TOTAL	-18	-4.4	
White	0	0.0	+4.6
Non-white	-18	-90.0	-89.8

ELIGIBLE TRANSITIONAL BILINGUAL STUDENTS: 1973-74		
Language	Number of Students	Percent of Bilingual Enrollment
TOTAL	0	
Chinese		
French		
Greek		
Italian		
Portuguese		
Spanish		
Other		





School District # 171  
School # 007

1973-74	School District:	Marshfield
	School Name:	Grace E. Ryder Elementary
	No. & Street:	Main
	City, State, Zip:	Marshfield, Mass. 02050
	Grade Organization:	4-5
	Facilities:	
	Initial Construction Date:	1937
	Dates of Additions or Changes:	1968
	# Rooms, Instructional Use:	15
	# Rooms, Other Uses:	14
	TOTAL	29

1973-74	
Federal Programs	
Title I:	
Type of Program:	
# of Students:	
% School Enrollment:	
Lunch Program:	
# Students, Free:	16
# Students, Reduced Price:	0
TOTAL	16
% School Enrollment:	5.6
Bilingual Program:	
# Eligible Students:	0
% School Enrollment:	0
METCO Interdistrict Program:	
# Students:	
% School Enrollment:	

[illegible]



School District # 171  
School # 007

STUDENT ETHNIC CENSUS: 1973-74							
	Total	White	Non-white	Non-white			
				Black	Native-American	Asian-American	Spanish Surname
Number	285	276	9	7	0	1	1
Percent	100.0	96.8	3.2	2.5	0	0.4	0.4

RACIAL CENSUS: 1967-68, 1970-71, 1972-73					
Years	Total Enrollment	White		Non-white	
		#	%	#	%
1967-1968	293	291	99.3	2	0.7
1970-1971	202	190	94.1	12	5.9
1972-1973	183	179	97.8	4	2.2

RACIAL CENSUS: ENROLLMENT CHANGE 1967-1972			
	#	%	% Change in Proportional Distribution
TOTAL	-110	-37.5	
White	-112	-38.5	-1.5
Non-white	+ 2	+100.0	214.3

ELIGIBLE TRANSITIONAL BILINGUAL STUDENTS: 1973-74		
Language	Number of Students	Percent of Bilingual Enrollment
TOTAL	0	
Chinese		
French		
Greek		
Italian		
Portuguese		
Spanish		
Other		



School District # 171  
School # 010

1973-74  
School District: Marshfield  
School Name: South River  
No. & Street: Hatch  
City, State, Zip: Marshfield, Mass. 02050  
Grade Organization: K-5  
Facilities:  
Initial Construction Date: 1948  
Dates of Additions or Changes: 1953  
# Rooms, Instructional Use: 6  
# Rooms, Other Uses: 35  
TOTAL 41

School District # 171	
School # 010	
1973-74	
Federal Programs	
Title I:	
Type of Program:	
% of Students:	0
% School Enrollment:	
Lunch Program:	
% Students, Free:	48
% Students, Reduced Price:	0
TOTAL	48
% School Enrollment:	6.0
Bilingual Program:	
% Eligible Students:	0
% School Enrollment:	
METCO Interdistrict Program:	
% Students:	0
% School Enrollment:	

[illegible]





School District # 171  
School # 010

STUDENT ETHNIC CENSUS: 1973-74							
	Total	White	Non-white	Non-white			Spanish Surname
				Black	Native-American	Asian-American	
Number	800	797	3	3	0	0	0
Percent	100.0	99.6	0.4	0.4			

RACIAL CENSUS: 1967-68, 1970-71, 1972-73					
Years	Total Enrollment	White		Non-white	
		#	%	#	%
1967-1968	728	724	95.5	4	0.5
1970-1971	731	724	99.0	7	1.0
1972-1973	824	822	99.8	2	0.2

RACIAL CENSUS: ENROLLMENT CHANGE 1967-1972			
	#	%	% Change in Proportional Distribution
TOTAL	+96	+ 13.2	
White	+ 98	+ 13.5	+ 0.3
Non-white	-2	-50.0	-60.0

ELIGIBLE TRANSITIONAL BILINGUAL STUDENTS: 1973-74		
Language	Number of Students	Percent of Bilingual Enrollment
TOTAL	0	
Chinese		
French		
Greek		
Italian		
Portuguese		
Spanish		
Other		



School District #	171
School #	015

1973-74	Marshfield
School District:	
School Name:	Daniel Webster
No. & Street:	1456 Ocean
City, State, Zip:	Marshfield, Mass. 02050
Grade Organization:	K-5
Facilities:	
Initial Construction Date:	1965
Dates of Additions or Changes:	
# Rooms, Instructional Use:	36
# Rooms, Other Uses:	21
TOTAL	57

1973-74	
Federal Programs	
Title I:	
Type of Program:	0
% of Students:	
% School Enrollment:	
Lunch Program:	
# Students, Free:	54
# Students, Reduced Price:	0
TOTAL	54
% School Enrollment:	9.7
Bilingual Program:	
# Eligible Students:	0
% School Enrollment:	
METCO Interdistrict Program:	
# Students:	0
% School Enrollment:	

[illegible]





STUDENT ETHNIC CENSUS: 1973-74							School District # 171 School #015
	Total	White	Non-white	Black	Non-white		
					Native-American	Asian-American	Spanish Surname
Number	558	553	5	5	0	0	0
Percent	100.0	99.1	0.9	0.9			

RACIAL CENSUS: 1967-68, 1970-71, 1972-73					
Years	Total Enrollment School not open	White		Non-white	
		#	%	#	%
1967-1968					
1970-1971	594	580	97.6	14	2.4
1972-1973	571	557	97.5	14	2.5

RACIAL CENSUS: ENROLLMENT CHANGE 1967-1972				
TOTAL	#	%	%	% Change in Proportional Distribution
	Not Applicable	Not Applicable	Not Applicable	
White	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Non-white	Not Applicable	Not Applicable	Not Applicable	Not Applicable

ELIGIBLE TRANSITIONAL BILINGUAL STUDENTS: 1973-74		
Language	Number of Students	Percent of Bilingual Enrollment
TOTAL	0	
Chinese		
French		
Greek		
Italian		
Portuguese		
Spanish		
Other		



School District # 171  
School # 020

1973-74  
School District: Marshfield  
School Name: Gov. Edward Winslow  
No. & Street: 60 Regis Road  
City, State, Zip: Marshfield, Mass. 02050  
Grade Organization: K-5  
Facilities:  
Initial Construction Date: 1969  
Dates of Additions or Changes: \_\_\_\_\_  
# Rooms, Instructional Use: 33  
# Rooms, Other Uses: 38  
TOTAL 71

1973-74	
Federal Programs	
Title I:	
Type of Program:	
# of Students:	0
% School Enrollment:	
Lunch Program:	
# Students, Free:	72
# Students, Reduced Price:	0
TOTAL	72
% School Enrollment:	10.3
Bilingual Program:	
# Eligible Students:	0
% School Enrollment:	
METCO Interdistrict Program:	
# Students:	0
% School Enrollment:	

[illegible]



		STUDENT ETHNIC CENSUS: 1973-74					School District # 171 School # 020	
		Total	White	Non-white	Non-white			Spanish Surname
					Black	Native-American	Asian-American	
Number	699		694	5	3	0	1	1
Percent	100.0		99.3	0.7	0.4		0.1	0.1

RACIAL CENSUS: 1967-68, 1970-71, 1972-73					
Years	Total Enrollment	White		Non-white	
		#	%	#	%
1967-1968	School not open				
1970-1971	631	627	99.4	4	0.6
1972-1973	697	691	99.1	6	0.9

RACIAL CENSUS: ENROLLMENT CHANGE 1967-1972				
TOTAL	#	%	% Change in Proportional Distribution	
	Not Applicable	Not Applicable		
White	Not Applicable	Not Applicable	Not Applicable	
Non-white	Not Applicable	Not Applicable	Not Applicable	

ELIGIBLE TRANSITIONAL BILINGUAL STUDENTS: 1973-74		
Language	Number of Students	Percent of Bilingual Enrollment
TOTAL	0	
Chinese		
French		
Greek		
Italian		
Portuguese		
Spanish		
Other		





METROPOLITAN PLANNING PROJECT/INDIVIDUAL SCHOOL PROFILE

1973-74	School District: <u>Marshfield</u>	School District # <u>171</u>
	School Name: <u>Furnace Brook Middle</u>	School # <u>305</u>
	No. & Street: <u>Furnace</u>	
	City, State, Zip: <u>Marshfield, Mass. 02050</u>	
	Grade Organization: <u>6-8</u>	
	Facilities:	
	Initial Construction Date: <u>1969</u>	
	Dates of Additions or Changes:	
	# Rooms, Instructional Use: <u>32</u>	
	# Rooms, Other Uses: <u>25</u>	
	TOTAL <u>57</u>	

1973-74	School District: <u>Marshfield</u>	School District # <u>171</u>
	School Name: <u>Furnace Brook Middle</u>	School # <u>305</u>
	No. & Street: <u>Furnace</u>	
	City, State, Zip: <u>Marshfield, Mass. 02050</u>	
	Grade Organization: <u>6-8</u>	
	Facilities:	
	Initial Construction Date: <u>1969</u>	
	Dates of Additions or Changes:	
	# Rooms, Instructional Use: <u>32</u>	
	# Rooms, Other Uses: <u>25</u>	
	TOTAL <u>57</u>	

STAFF ETHNIC CENSUS: 1973-74													
Professional Staff	Census		Age				Years in Present System			Position			
	#	%	Under 26	26-34	35-55	56 & Over	Under 3	3-9	10 & Over	Administrators	Teachers	Teacher Aides	Other Professionals
TOTAL	43	100.0	14	13	10	1	14	11	7	2	34	0	7
White	41	95.3	14	11	10	1	12	11	7	2	32	0	7
Black	0		0	0	0	0	0	0	0	0	0	0	0
Spanish Surname	0		0	0	0	0	0	0	0	0	0	0	0
Asian-American	0		0	0	0	0	0	0	0	0	0	0	0
Native-American	0		0	0	0	0	0	0	0	0	0	0	0
Other	2	4.7	0	2	0	0	2	0	0	0	2	0	0



School District # 171  
School # 305

## STUDENT ETHNIC CENSUS: 1973-74

	Total	White	Non-white	Non-white			
				Black	Native-American	Asian-American	Spanish Surname
Number	613	601	12	8	0	1	3
Percent	100.0	98.0	2.0	1.3		0.2	0.5

RACIAL CENSUS: 1967-68, 1970-71, 1972-73					
Years	Total Enrollment	White		Non-white	
		#	%	#	%
1967-1968	School not open				
1970-1971	School not open				
1972-1973	N.A.				

RACIAL CENSUS: ENROLLMENT CHANGE 1967-1972				
TOTAL	#	%	Not Applicable	% Change in Proportional Distribution
White	Not Applicable	Not Applicable	Not Applicable	Not Applicable
Non-white	Not Applicable	Not Applicable	Not Applicable	Not Applicable

ELIGIBLE TRANSITIONAL BILINGUAL STUDENTS: 1973-74		
Language	Number of Students	Percent of Bilingual Enrollment
TOTAL	0	
Chinese		
French		
Greek		
Italian		
Portuguese		
Spanish		
Other		





## METROPOLITAN PLANNING PROJECT/INDIVIDUAL SCHOOL PROFILE

1973-74

School District:	Marshfield
School Name:	Edward A. Martinson, Jr.
No. & Street:	Forest
City, State, Zip:	Marshfield, Mass. 02050
Grade Organization:	6 - 8
Facilities:	
Initial Construction Date:	1964
Dates of Additions or Changes:	
# Rooms, Instructional Use:	19
# Rooms, Other Uses:	27
TOTAL	46

School District # 171	
School # 405	
1973-74	
Federal Programs	
Title I:	
Type of Program:	
# of Students:	0
% School Enrollment:	
Lunch Program:	
# Students, Free:	64
# Students, Reduced Price:	0
TOTAL	64
% School Enrollment:	9.0
Bilingual Program:	
# Eligible Students:	0
% School Enrollment:	
METCO Interdistrict Program:	
# Students:	0
% School Enrollment:	

[illegible]



School District # 171 School # 405
---------------------------------------

STUDENT ETHNIC CENSUS: 1973-74							
	Total	White	Non-white	Non-white			Spanish Surname
				Black	Native-American	Asian-American	
Number	715	706	9	2	0	0	7
Percent	100.0	98.7	1.3	0.3			1.0

RACIAL CENSUS: 1967-68, 1970-71, 1972-73					
Years	Total Enrollment	White		Non-white	
		#	%	#	%
1967-1968	781	764	97.8	17	2.2
1970-1971	765	749	97.9	16	2.1
1972-1973	830	826	99.5	4	0.5

RACIAL CENSUS: ENROLLMENT CHANGE 1967-1972			
	#	%	% Change in Proportional Distribution
TOTAL	+ 49	+ 6.3	
White	+ 62	+ 8.1	+ 1.7
Non-white	-13	-76.5	-77.3

ELIGIBLE TRANSITIONAL BILINGUAL STUDENTS: 1973-74		
Language	Number of Students	Percent of Bilingual Enrollment
TOTAL	0	
Chinese		
French		
Greek		
Italian		
Portuguese		
Spanish		
Other		



METROPOLITAN PLANNING PROJECT/INDIVIDUAL SCHOOL PROFILE

1973-74 School District: Marshfield School Name: Marshfield High No. & Street: Furnace City, State, Zip: Marshfield, Mass. 02050 Grade Organization: 9-12 Facilities: Initial Construction Date: 1969 Dates of Additions or Changes: 1973 # Rooms, Instructional Use: 75 # Rooms, Other Uses: 61 TOTAL: 136	School District #171 School # 505
--	--------------------------------------

1973-74 Federal Programs Title I: Type of Program: # of Students: % School Enrollment: Lunch Program: # Students, Free: # Students, Reduced Price: TOTAL % School Enrollment: Bilingual Program: # Eligible Students: % School Enrollment: METCO Interdistrict Program: # Students: % School Enrollment:	0     76 0 76 4.8 0  0  0
--	--

1973-74 School District: Marshfield School Name: Marshfield High No. & Street: Furnace City, State, Zip: Marshfield, Mass. 02050 Grade Organization: 9-12 Facilities: Initial Construction Date: 1969 Dates of Additions or Changes: 1973 # Rooms, Instructional Use: 75 # Rooms, Other Uses: 61 TOTAL: 136
--

STAFF ETHNIC CENSUS: 1973-74										
Professional Staff	Census		Age				Years in Present System			
	#	%	Under 26	26-34	35-55	56 & Over	Under 3	3-9	10 & Over	Position
TOTAL	107	100.0	13	52	30	7	31	47	24	Teachers 84 Adminis- trators 6 Teacher Aides 0 Other Profes- sionals 17
White	95	88.5	12	44	29	5	27	30	23	72
Black	1	0.9	0	1	0	0	1	0	0	1
Spanish Surname	0		0	0	0	0	0	0	0	0
Asian-American	0		0	0	0	0	0	0	0	0
Native-American	0		0	0	0	0	0	0	0	0
Other	7	6.5	1	4	0	2	2	4	1	7





		STUDENT ETHNIC CENSUS: 1973-74					School District #171 School # 505	
	Total	White	Non-white	Non-white			Spanish Surname	
				Black	Native-American	Asian-American		
Number	1,580	1,564	16	15	0	1	0	
Percent	100.0	99.0	1.0	0.9		0.1		

Years	Total Enrollment	White		Non-white	
		#	%	#	%
1967-1968	535	525	98.1	10	1.9
1970-1971	1179	1166	98.9	13	1.1
1972-1973	1430	1418	98.7	18	1.3

RACIAL CENSUS: ENROLLMENT CHANGE 1967-1972			
	#	%	% Change in Proportional Distribution
TOTAL	+ 895	+ 167.3	
White	+ 887	+ 169.0	+ 0.6
Non-white	+ 8	+ 80.0	-31.6

FOLLOW UP OF HIGH SCHOOL GRADUATES: 1968, 1972					
Post High School Placement	Class of				
	1968		1972		
	#	%	#	%	
4-yr. State College	16	11.6	39	14.1	
4-yr. Other College	39	28.3	63	22.7	
2-yr. State College	7	5.1	17	6.1	
2-yr. Other College	25	18.1	31	11.2	
Nurses Training	4	2.9	5	1.8	
Other Post Secondary	14	10.1	5	1.8	
Military	8	5.8	6	2.2	
Work	22	15.9	100	36.1	
Other	4	2.9	11	4.0	
TOTAL	138	100.0	277	100.0	

ELIGIBLE TRANSITIONAL BILINGUAL STUDENTS: 1973-74		
Language	Number of Students	Percent of Bilingual Enrollment
TOTAL	0	
Chinese		
French		
Greek		
Italian		
Portuguese		
Spanish		
Other		

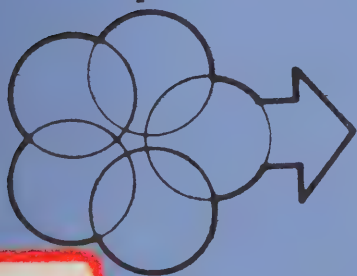


# METRO WAYS TO UNDERSTANDING

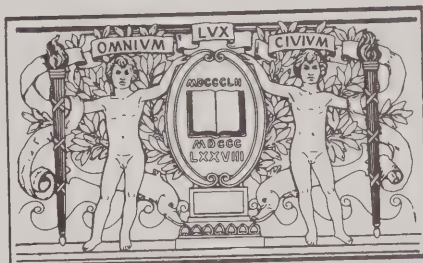
A PLAN FOR THE VOLUNTARY ELIMINATION OF  
RACIAL AND ETHNIC ISOLATION IN THE SCHOOLS  
OF THE BOSTON METROPOLITAN AREA

## VOLUME III COMMUNITY PROFILES

TOWN OF  
MEDFIELD



THE METROPOLITAN PLANNING PROJECT



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METRO WAYS TO UNDERSTANDING:

A Plan for the Voluntary Elimination of  
Racial and Ethnic Isolation in the Schools

The Boston Metropolitan Area

VOLUME III THE COMMUNITY PROFILES

Community Profile # 175  
Town of Medfield

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1973-74

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## ABSTRACT

The Metropolitan Planning Project is a collaborative effort of 17 school districts supported by an additional 39 approving school districts within the Boston Metropolitan Area. Its mandate is to develop a Ten Year Plan for the phased elimination of racial and ethnic isolation in the area's schools through voluntary school district collaboration. The Project is funded by the U.S. Office of Education under the Emergency School Aid Act of 1972.

METROWAYS TO UNDERSTANDING: A Plan for the Voluntary Elimination of Racial and Ethnic Isolation in the Schools of the Boston Metropolitan Area is a phased Ten Year Plan which is a result of the process that the Metropolitan Planning Project has undergone during this year of planning. The Project has worked to achieve effective community participation in an effort to design quality learning environment programs for students. As a result of a city and suburban exchange of ideas, the Metropolitan Planning Project has helped to promote the development of over 78 proposals in 32 cities and towns for the design of new innovative learning environments. With a \$300,000 allocation for pilot programming, 14 pilot projects were funded to test MPP objectives. The projects included students from pre-kindergarten through high school age. The focus ranged from American history, art, ecology, energy, comparative life styles to Afro-American, Hispanic, Native-American, and Chinese-American cultures.

The Project has also compiled extensive data on the educational, demographic, housing, fiscal, socio-economic, land use and ethnic and racial characteristics of the 78 towns and cities in the greater Boston standard metropolitan statistical area (SMSA). This information was developed as a needs analysis and resource inventory and has been utilized in the development of the recommended educational programs. It provides the basis for program implementation. The Ten Year Plan METROWAYS TO UNDERSTANDING is aimed at promoting voluntary collaboration between urban and suburban school districts and includes the involvement of students, parents, teachers, school principals, superintendents, community organizations and others concerned with education.



During the 1974-75 school year, the Metropolitan Planning Project will pilot some of the policy recommendations developed through this participatory planning process. These recommendations include:

METROPATHWAYS - Quality innovative educational programs which will be accessible to secondary school students of different socio-economic, racial, and ethnic background within the metropolitan area by utilizing mass transit routes.

METROPAIRWAYS - Parents and school personnel from pairs or triads of city and suburban districts will meet to formulate educational programs of equal benefit to the students. Learning centers will be developed in two or three schools and each will serve as a supplement to the educational quality of each individual school.

METROETHNIC HERITAGE RESOURCE CENTERS - These will be coordinated within METROCENTER and will promote the study, compilation, production and distribution of materials and information related to minorities and ethnic groups of the SMSA. It will also be an action program for the development of other resource centers in the metropolitan area.

METROCENTER FOR COMMUNICATIONS, COUNSELLING, AND RESOURCE DEVELOPMENT - This center will coordinate the metropolitan educational programs and serve as an information and resource "bank" for students, parents, community groups and educators throughout the metropolitan area who wish to be involved in urban-suburban educational programs and staff development programs aimed at eliminating racial and ethnic isolation of students.

#### ACKNOWLEDGEMENT

I wish to thank Dr. Forbes Bottomly for his encouragement and support of this research approach; Edward Feinman and Leslie S. May who, together with the Support Research Staff and myself, developed the analyses in Volume II RESOURCES FOR IMPLEMENTATION and Volume III COMMUNITY PROFILES. Our grateful appreciation to Mrs. Helen Taggart who formatted and typed the research materials.

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Executive Director

Executive Director: September 1973 - June 1974

Dr Forbes Bottomly

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## INTRODUCTION TO THE NOTES AND SOURCES FOR THE COMMUNITY PROFILES

The Community Profiles were developed for the 78 municipalities that comprise the study area of the Metropolitan Planning Project (MPP). The study area is defined as the 1963 Boston standard metropolitan statistical area (SMSA) boundaries. The Profiles were prepared to meet the mandate of Objective B of the Support Research component of the MPP proposal. This mandate is:

To develop profiles and analysis of social, ethnic, economic, and educational characteristics of the metropolitan area and of its individual communities.

The purpose of these profiles are to serve as the data base for the Ten Year Plan and to develop information for the implementation of educational programs through the analyses of the interaction between the education system and related urban functional systems.

A Community Profile was developed for each of the following cities and towns:

Arlington	Lexington	Randolph
Ashland	Lincoln	Reading
	Lynn	Revere
Bedford	Lynnfield	Rockland
Belmont		
Beverly	Malden	Salem
Boston	Manchester	Saugus
Braintree	Marblehead	Scituate
Brookline	Marshfield	Sharon
Burlington		Sherborn
	Medfield	Somerville
Cambridge	Medford	Stoneham
Canton	Melrose	Sudbury
Chelsea	Middleton	Swampscott
Cohasset	Millis	
Concord	Milton	Topsfield
Danvers	Nahant	Wakefield
Dedham	Natick	Walpole
Dover	Needham	Waltham
Duxbury	Newton	Watertown
	Norfolk	Wayland
Everett	North Reading	Wellesley
	Norwell	Wenham
Framingham	Norwood	Weston
		Westwood
Hamilton	Peabody	Weymouth
Hanover	Pembroke	Wilmington
Hingham		Winchester
Holbrook	Quincy	Winthrop
Hull		Woburn

There are also Profiles for each of the following regional school districts:

Dover-Sherborn  
Experimental School System of the Commonwealth of Massachusetts  
Hamilton-Wenham  
Lincoln-Sudbury  
North Shore Regional Vocational

The information in the Community Profiles assess the needs and resources of each community. It is helpful in planning for the future of each school system as well as in the development of educational curricula and programs. These will utilize school and community based resources for metropolitan educational programs for the elimination of racial and ethnic student isolation in the school districts of the SMSA. More detailed analyses of each of these communities, including a series of tables comparing these school districts and an "Analyses of Grouped Communities", are found in earlier Volumes.

These notes were prepared so that persons interested in obtaining further detailed information or in updating present data can easily do so. The source of the information and where it is located is given for each table. Non-classified government information is available by public law to all persons. This includes individual public school records as well as municipal, county, state, and federal data.

There are two sections of the Community Profiles. The first section, Community Profiles, displays educational and educational-related information about the community. The second section, Individual School Profiles, displays educational information about each individual school in the district. The page number at the beginning of a table corresponds to the page number of the Community Profile. Each Individual School Profile is 2 pages and notes for the tables are consistent with this format.



## NOTES AND SOURCES FOR THE COMMUNITY PROFILES

### EDUCATIONAL CHARACTERISTICS

#### PAGE 1 - NUMBER OF SCHOOLS AND ENROLLMENT

By Type of School: 1973-74

The information on the total number of schools in a school district, as well as the number of Elementary, Junior High, High Schools, Special and Ungraded, Regional, and Vocational Schools in a district, were obtained from the Massachusetts State Department of Education, Bureau of Educational Information Services, Massachusetts School Directory 1973-74. This publication lists the name, address, and grade organization of each school in the Commonwealth. It notes which schools are Special, Ungraded, Regional, or Vocational. Elementary Schools are those schools composed of one or all the grades K through 5 or grades K through 6. Junior High Schools are those schools composed of one or all the grades 6 through 8; schools with grades 5-6, 5-7, 5-8, and 7-9 are counted as Junior High Schools. High Schools are those schools composed of one or all of the grades 9 through 12.

The "Total", "White", and "Non-white" enrollments for each type of school were obtained from a survey conducted by the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Enrollment by Classification, Exhibit II, 1973-74. The enrollments for all Elementary Schools, Junior High Schools, High Schools, Special and Ungraded Schools, Regional Schools, and Vocational Schools in a school district which is recorded in this table were totalled by the Metropolitan Planning Project (MPP) support research staff.

#### PAGE 1 - SCHOOL ATTENDING CHILDREN IN PUBLIC and Non-public Schools

This information was obtained from the Commonwealth of Massachusetts, Annual Report of the State Department of Education for the Year Ending June 30, 1968; Annual Report ... June 30, 1971; and Annual Report ... June 30, 1973. The percentage of "Public" and "Non-public" school attending children were calculated by the MPP support research staff.

#### PAGE 1 - EDUCATIONAL COLLABORATIVE PARTICIPATION 1973-74

The educational collaboratives listed in this table were found in the following sources:

The Massachusetts State Department of Education, Bureau of Educational Information Services, Massachusetts School Directory, 1973-74; Institute for Educational Services, Inc., "Survey on Collaboration", 1971; Metropolitan Planning Project Support Research Component Telephone Survey, 1974; Massachusetts State Department of Education, Division of Curriculum and Instruction, Kaleidescope 7, 1973,

Other educational collaboratives in the Boston metropolitan area were not available from these sources.

PAGE 1 - 1970 CENSUS: SCHOOL ENROLLMENT FOR  
Level and Type of School by Race  
(Population 3 - 34 years)

This information was obtained from the United States Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing. U.S. Census information is available in published monographs, which are available at libraries and governmental agencies, and on computer tapes. The data on computer tape is organized into sequences and each sequence is referred to as a "count". Within each "count", the data is subdivided into tables, and each table has been given a number and title. The information in this table was obtained from the 4th Count Population Summary Tapes for Massachusetts, Table 38, "Population 3 Years Old and Over Enrolled in School by Level and Type of School." This information was based on a 15 percent sample survey. The percentages may not add up to 100 percent because of rounding. An N.A. indicates that this information was not available for the school district. The "Spanish-American" category includes people who are both "White" and "Black" according to the Census definition so that the total of the "White", "Black" and "Spanish-American" columns will never equal the "Total" population column.

PAGE 1 - FEDERALLY-FUNDED PROGRAMS: 1973-74

The information on Title I students in each school district was obtained from the Massachusetts State Department of Education, Division of Curriculum and Instruction, Bureau of Curriculum Services, Title I ESEA, "Unpublished Title I Program Documents, 1973-74". The Title III information was obtained from the Massachusetts State Department of Education, Division of Curriculum and Instruction, Bureau of Curriculum Services, Title III ESEA, Kaleidescope 7, 1973 and the Metropolitan Planning Project support research staff telephone survey of Title III Program Directors, July-August, 1974. The percent total enrollment was calculated by dividing the number of students in Title I and III programs by the total number of students in the district during the 1973-74 school year. The total number of students was obtained from the Massachusetts

State Department of Education, Division of Research, Planning, and Evaluation, Enrollment by Classification, Exhibit II, 1973-74. This is the same total that appears in the "Student Ethnic Census: 1973-74" table on page 2.

The Title I and Title III programs are funded by the U.S. Office of Education and were enacted by the U.S. Congress as part of the 1965 Elementary and Secondary Education Act (ESEA). The Title I program provides assistance for "educationally deprived and neglected and delinquent children." The Title III program "supports proposals to advance creativity in education."

PAGE 2 - RACIAL CENSUS: 1967-68; 1970-71; 1972-73

The information on the "Total", "White", and "Non-white" enrollments for these three school years was obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Racial Census, October, 1967; Racial Census, October, 1970; and Racial Census, October, 1972. The Racial Census does not indicate which students were considered "White" and which were considered "Non-white".

PAGE 2 - RACIAL CENSUS: ENROLLMENT CHANGE 1967-1972

These figures were calculated from the previous table by the MPP support research staff. The figures under the number sign (#) column were calculated by subtracting from the "Total", "White" or "Non-white" enrollment for the 1972-73 school year the "Total", "White" or "Non-white" enrollment for the 1967-68 school year. For example, if the 1972-73 total enrollment was 100 students and the 1967-68 enrollment was 50 students, the enrollment change would be +50(100-50) and this figure would appear in the appropriate box. The figures under the percent (%) column were derived by dividing the difference between the 1972-73 and 1967-68 enrollment by the 1967-68 enrollment. If the difference, for example, between the 1972-73 and 1967-68 enrollments was +50 and the 1967-68 enrollment was 50, the percent change would be +100 (+50/50). The figures under the "% Change in Proportional Distribution" column were calculated as follows:

The "% White" (or "% Non-white") for 1972-73 was subtracted from the "% White" (or "% Non-white") for 1967-68.

This difference was divided by the "% White"(or "% Non-white") for 1967-68 and this is the figure that was recorded. For example, if the "% White" in 1967-68 was 75% and the "% White" in 1972-73 was 50%, the "% Change in Proportional Distribution" would be calculated as follows:  
 $(50-75)/75 = (-25)/75 = -0.33$ .

Since the percent "Total Enrollment" is always 100%, no "% Change in Proportional Distribution" was calculated or recorded for "Total Enrollment". If there is a percent change from 0 to any number the "% Change in Proportional Distribution" is mathematically undefined. This is noted by the word "Undefined".



PAGE 2 - STUDENT ETHNIC CENSUS: 1973-74

This information was obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Enrollment by Classification, Exhibit II, 1973-74. The figures in the "White" column include white students and students of racial backgrounds other than "Black", "Native-American", "Asian-American", and "Spanish Surname". "Spanish Surname" students were placed in the "Non-white" category.

PAGE 2 - FOLLOW-UP OF HIGH SCHOOL GRADUATES: 1968; 1972

The information on the post high school placement of 1968 graduates was obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Distribution of Graduating Class, 1969. The number of students in each of the various placement categories may not equal the total number of high school graduates because information on all placements was not available. Some of the school districts are members of regional high schools so that information on their high school students would be included in the regional high school data. There is, therefore, no information recorded for the following school districts (the name of the regional high school their students attend is in parentheses):

- Concord (Concord-Carlisle Regional High School)
- Dover (Dover-Sherborn Regional High School)
- Hamilton (Hamilton-Wenham Regional High School)
- Lincoln (Lincoln-Sudbury Regional High School)
- Middleton (Masconomet Regional High School)
- Nahant (all Nahant high school students attend high schools in Lynn)
- Norfolk (King Philip Regional High School)
- Sherborn (Dover-Sherborn Regional High School)
- Sudbury (Lincoln-Sudbury Regional High School)
- Topsfield (Masconomet Regional High School)
- Wenham (Hamilton-Wenham Regional High School)

If there was no information available on high school graduates in a particular district, this is noted by an N.A. in the first column (under the # sign). The information on the 1972 graduates was obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Distribution of High School Graduates, Class of 1972, Fall 1973. The districts which sent their high school students to regional schools in 1968 remained the same and, therefore, no information on 1972 high school graduates for these districts is recorded. In addition to these districts, there will be no information for Pembroke since their high school students now attend Silver Lake Regional High School. The percentages in the 1972 column may not add up to 100% because of rounding.

PAGE 2 - ELIGIBLE TRANSITIONAL BILINGUAL STUDENTS: 1973-74

The number of students eligible for a transitional bilingual program was obtained from the Massachusetts State Department of Education, Bureau of Transitional Bilingual Education, Census of Children of Limited English Speaking Ability on October 1, 1973, under Chapter 71A, Act of 1971. This Census of all public school students is conducted each year in order to determine how many students are of limited English speaking ability as defined in Chapter 71A and, thus, eligible for transitional bilingual classes. The "Percent of Bilingual Enrollment" was calculated by the MPP support research staff by dividing the number of students in each language category, such as "Chinese" or "French" by the "Total" number of eligible bilingual students.

PAGE 3 - PUBLIC SCHOOL STUDENT ENROLLMENTS: 1964 - 1982

Past Enrollments: 1964 - 1972  
Projected Enrollments: 1973 - 1982

This information was prepared for the Metropolitan Planning Project by the Organization for Social and Technical Innovation, Inc. (OSTI).

These enrollment projections are based on time-series enrollment data from 1964 through 1972, obtained from the Massachusetts State Department of Education, Division of Research, Planning and Evaluation. The source of the historical enrollment data for the forecast categories "Total K-12", "Total K-6", "Total 7-12", "White K-12" and "Non-white K-12" was the superintendent's report entitled Census Report.

The numbers in parentheses under each forecast category represents the  $R^2$  (coefficient of determination) for that particular projected enrollment series. It is presented to indicate a rough sense of the reliability of each forecast --  $R^2$ 's of .8 or .9 are very reliable,  $R^2$ 's of .5, .6, or .7 are good, and  $R^2$ 's of .4 or less are unreliable. When the projections for subcategories (for example, "White K-12" and "Non-white K-12" are subcategories of "Total K-12") are totaled, they do not necessarily equal the projected enrollment figures for the total category. This is because each forecast category was projected independently from the others and the projections selected are not necessarily each derived from the same mathematical equation, since the best projection was selected for each forecast category largely independent of the projections selected for other forecast categories.

School districts with no projections presented or particular forecast categories left blank means the projection here was entirely unsuccessful, sometimes for mathematical reasons, sometimes because of missing years of historical data, and sometimes because of almost certain incorrect historical enrollment data.

PAGE 4 - NUMBER OF TEACHERS BY RACE: 1972-73

This information was obtained from the U.S. Department of Health, Education, and Welfare, Office for Civil Rights, Directory of Public Elementary and Secondary



Schools in Selected Districts, Enrollment and Staff by Racial/Ethnic Group, Fall, 1974. Since this information was collected from selected school districts, data was only available for 68 of the 83 Boston metropolitan area districts. MPP support research staff contacted the remaining districts to complete the survey. The following school districts provided this information:

Cohasset  
Dover  
Dover-Sherborn Regional High School  
Experimental School System of the Commonwealth of Massachusetts  
Hamilton-Wenham Regional High School  
Holbrook  
Manchester  
Nahant  
Topsfield  
Wenham

An N.A. indicates that this information was not available for the school district. Spanish Surname teachers were placed in the "Non-white" category.

PAGE 4 - NUMBER OF TEACHERS, TEACHER-AIDES, AND OTHER PROFESSIONAL STAFF: 1973-74

This information was obtained from the U.S. Equal Employment Opportunity Commission, Elementary-Secondary Staff Information (EEO-5), October 1, 1973. Since this information was collected on a selected school district basis, the MPP support research staff surveyed the remaining districts to obtain this information. The following school districts provided this information:

Ashland  
Beverly  
Braintree  
Cohasset  
Experimental School System of the Commonwealth of Massachusetts  
Framingham  
Hamilton-Wenham Regional High School  
Manchester  
Medfield  
Medford  
Middleton  
Millis  
Nahant  
Norfolk  
Pembroke  
Saugus  
Sherborn  
Sudbury  
Topsfield  
Walpole

The "Other Professional Staff" category include the following staff positions: Officials, Administrators, Managers, Principals, Assistant Principals, Guidance Personnel, Psychologists, Librarians, Supervisors of Instruction, and all other professional staff. An N.A. indicates that this information was not available for the school district.

#### PAGE 5 - SELECTED FINANCIAL CHARACTERISTICS

The information on "% Municipal Tax Dollar Spent on Education" was obtained from the Commonwealth of Massachusetts, Annual Report of the Department of Education for the Year Ending June 30, 1968; Annual Report ... June 30, 1971; Annual Report ... June 30, 1973.

The "% Municipal Tax Dollar Spent on Education" was calculated by the MPP support research staff by dividing the school tax rate by the general tax rate. For example, if the school tax rate in a town was \$24 and the total tax rate was \$48, the "% Municipal Tax Dollar Spent on Education" would be 50% (24/48).

The information on "Comprehensive Per Pupil Expenditure" was obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Per Pupil Expenditures 1967-68; Per Pupil ... 1970-71; Per Pupil ... 1972-73. This per pupil expenditure is the integrated per pupil cost for the Regular Day, Vocational Day, and Special Education Programs and pro-rated Regional School Expenditures divided by the average membership of students in those programs.

The information on "Public School Attending Children Transported at Public Expense" was obtained from the Commonwealth of Massachusetts, Annual Report of the Department of Education for the Year Ending June 30, 1968; Annual Report ... June 30, 1971; Annual Report ... June 30, 1973. Discrepancies may appear in this table because the data received was unaudited.

The information on "Computative Equalized Property Valuation per School Attending Child" was obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, School Aid to Massachusetts Cities and Towns, (Chapter 70 Amended), 1967-68; School Aid ... 1970-71; School Aid ... 1972-73. Computative equalized property valuation for any one year is equal to the equalized property valuation the previous calendar year divided by the number of school attending children for that school year. For example, the computative equalized valuation for 1967-68 is derived by dividing the equalized property valuation for 1966 by the number of school attending children for 1967-68.

#### PAGE 5 - TAX RATE

This information was obtained from the Massachusetts Teachers Association, Background Data for Massachusetts School Districts 1973, Research Bulletin 734-9, 1973. The official tax rate is equal to a city or town's budget needs divided by the assessed value (tax rate=budget needs/assessed value). The equalized

tax rate is equal to the town's budget needs divided by the true market value of property in a city or town, as determined by the Massachusetts Department of Corporations and Taxation (equalized tax rate=budget needs/full market value). The tax rate indicates the number of dollars per \$1,000 of assessed valuation a person or corporation would be taxed on property owned.

#### PAGE 5 - SCHOOL TAX RATE

This information was obtained from the Massachusetts Teachers Association, Background Data for Massachusetts School Districts 1973, Research Bulletin 734-9, 1973. The official school tax rate is equal to a city or town's school budget needs divided by the assessed value (school tax rate=school budget needs/assessed value). The equalized school tax rate is equal to the town's school budget needs divided by the true market value of property in a city or town, as determined by the Massachusetts Department of Corporations and Taxation (equalized school tax rate=school budget needs/full market value). The school tax rate indicates the number of dollars per \$1,000 of assessed valuation a person or corporation would be taxed on property owned.

#### PAGE 5 - 1973 MOODY'S BOND RATING

This information was obtained from Moody's Investor Service, Moody's Bond Record, December 1973. The bonds were rated by Moody's Investor Service in the following order, with the first rating assigned to the bonds judged to be of highest quality and the last rating assigned to bonds judged to be of lowest quality:

Aaa	Baa	Caa
Aa	Ba	Ca
A	B	C

The bonds in the A and Baa groups which Moody's determined had the strongest investment attributes were designated by the symbols A-1 and Baa-1.

#### PAGE 5 - PUBLIC SCHOOL STUDENTS Receiving Subsidized Lunches: 1973-74

This information was obtained from the Massachusetts State Department of Education, Bureau of Nutrition Education and School Food Services Education, "Average Number of Lunches Served to Needy". The figures in this table was calculated by taking the number of needy students served lunches in a school during the month of January, 1974 and dividing this number of the number of days schools were opened that month. The average number of lunches served per day in each school were totalled by the MPP support research staff to develop the school district totals.

The "% of Total Enrollment" was calculated by dividing the number of lunch program students by the 1973-74 total school district enrollments obtained from the Massachusetts State Department of Education, Division of Research, Planning and Evaluation, Enrollment by Classification, Exhibit II, 1973-74.



PAGE 5 - STUDENTS ENROLLED IN METCO

The information on the number of METCO (Metropolitan Council for Educational Opportunities, Inc.) students during the 1967-68 school year was obtained from the Massachusetts State Department of Education, Bureau of Equal Education Opportunity, "Recommendations for Funding of Plans Submitted Under Chapter 506 of the Acts of 1966," 1968. The 1970-71 information was obtained from the Massachusetts State Department of Education, Bureau of Equal Educational Opportunity, "Fiscal Report, METCO 1970-71 Program". The 1972-73 information was obtained from the Massachusetts State Department of Education, Bureau of Equal Educational Opportunity, "Memorandum to Rae Cecilia Kipp [Chairman, State Board of Education] from Charles L. Glenn and Cecilia M. DiBella, August 22, 1972. Subject: METCO Program for 1972-73." The information for the 1973-74 school year was obtained from the METCO files "Unpublished Student Enrollment Records", August, 1974. This information was obtained on a school by school basis; the schools figures were totalled by the MPP support research staff to develop the school district totals.

The "% of Total Enrollment" for the 1967-68; 1970-71; and 1972-73 school years were calculated by dividing the number of METCO students by the total number of students for that particular year. The total number of students for those school years were obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Racial Census, October, 1967; Racial ... 1970; Racial ... 1973. The "% of Total Enrollment" for the 1973-74 school year was calculated by dividing the "# METCO Students" by the 1973-74 district enrollments obtained from the Massachusetts Department of Education, Division of Research, Planning and Evaluation, Enrollment by Classification, Exhibit II, 1973-74. METCO is a state funded interdistrict transfer program which transports children from Boston to suburban school districts.

PAGE 6 - PERCENT DISTRIBUTION OF SCHOOL REVENUES: 1967-68; 1970-71; 1972-73

This information was obtained from the Commonwealth of Massachusetts, Annual Report of the Department of Education for the Year Ending June 30, 1968; Annual Report ... June 30, 1971; Annual Report ... June 30, 1973. The percentages were calculated by the MPP support research staff. The percentages may not add up to 100 percent because of rounding.

PAGE 6 - ABSOLUTE DOLLAR AND PERCENT CHANGES IN REVENUES: 1967-72

These figures were calculated from the previous table. The dollar (\$) "Changes in Public School Funds Provided 1967-72" were calculated by subtracting the 1972-73 dollar amounts for "Total Funds Provided", "Local Sources", and remaining categories from the 1967-68 dollar amounts. For example, if the total public school funds provided in 1972-73 were \$100,000 and the funds provided in 1967-68 were \$50,000, the absolute dollar change in revenues would be \$50,000 (\$100,000-\$50,000). The percent changes in revenues was calculated by dividing the difference

between the 1972-73 and 1967-68 funds provided by the 1967-68 amount. For example, if the 1972-73 total funds provided were \$100,000 and the 1967-68 funds provided were \$50,000, the percent "Change in Funds Provided" would be equal to  $(\$100,000 - \$50,000) / \$50,000 = \$50,000 / \$50,000 = +100\%$ . If there were no funds provided during 1967-68 for any of the categories, the percent change in revenues is mathematically undefined. This is noted by the word Undefined.

PAGE 6 - PERCENT CHANGE IN PROPORTIONAL DISTRIBUTION OF REVENUES: 1967-72

These figures were calculated from the first table on page 6. The "Percent Change in Proportional Distribution of Revenues" was derived as follows:

The percent of revenues from "Local Sources", "Commonwealth Sources", and remaining categories for the 1967-68 school year was subtracted from the 1972-73 school year figures then this difference was divided by the percent "Local Sources", "Commonwealth Sources", and remaining categories for the 1967-68 school year.

For example, if the percent of revenues from local sources in 1967-68 were 50% and the percent of revenues from local sources in 1972-73 were 75%, the "Percent Change in Proportional Distribution of Revenues: 1967-72" would equal  $(75-50)/50 = 25/50 = +50\%$ . If there is a percent change from 0 to any number, the "Percent Change in Proportional Distribution" is mathematically undefined. This is noted by the word Undefined.

PAGE 7 - PERCENT DISTRIBUTION OF SCHOOL EXPENDITURES: 1967-68; 1970-71; 1972-73

This information was obtained from the Commonwealth of Massachusetts, Annual Report of the Department of Education for the Year Ending June 30, 1968; Annual Report ... June 30, 1971; Annual Report ... June 30, 1973. The percentages were calculated by the MPP support research staff. The percentages may not add up to 100 percent because of rounding.

PAGE 7 - ABSOLUTE DOLLAR AND PERCENT CHANGES IN EXPENDITURES: 1967-72

These figures were calculated from the previous table. The dollar (\$) "Changes in Public School Funds Expended 1967-72" were calculated by subtracting the 1972-73 dollar amounts for "Total Public School Funds Applied", "Administration", and remaining categories from the 1967-68 dollar amounts. For example, if the "Total Public School Funds Applied" in 1972-73 were \$100,000 and the funds applied in 1967-68 were \$50,000, the absolute dollar change in expenditures would be \$50,000 ( $\$100,000 - \$50,000$ ). The percent changes in expenditures was calculated by dividing the difference between the 1972-73 and 1967-68 funds expended by the 1967-68 amount. For example, if the 1972-73 total funds expended were \$100,000 and the 1967-68 funds expended were \$50,000, the percent "Changes in Public School Funds Expended" would be equal to  $(\$100,000 - \$50,000) / \$50,000 = \$50,000 / \$50,000 = +100\%$ . If there were no funds provided during 1967-68 for any of the categories, the percent change in expenditures is mathematically undefined. This is noted by the word Undefined.



PAGE 7 - PERCENT CHANGE IN PROPORTIONAL DISTRIBUTION OF EXPENDITURES: 1967-72

These figures were calculated from the first table on page 7. The "Percent Change in Proportional Distribution of Expenditures" was derived as follows:

The percent of expenditures from "Administration", "Instruction", and remaining categories for the 1967-68 school year was subtracted from the 1972-73 school year figures. Then this difference was divided by the percent "Administration", "Instruction", and remaining categories for the 1967-68 school year.

For example, if the percent of expenditures for "Administration" in 1967-68 were 50% and the percent of expenditures for "Administration" in 1972-73 were 75%, the "Percent Change in Proportional Distribution of Expenditures: 1967-72" would equal  $(75-50)/50 = 25/50 = +50\%$ . If there is a percent change from 0 to any number, the "Percent Change in Proportional Distribution of Expenditures" is mathematically undefined. This is noted by the word Undefined.

PAGE 8 - 1970 CENSUS: COUNT OF PERSONS 25 YEARS OF AGE AND OVER BY RACE AND YEARS OF SCHOOL COMPLETED.

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 42, "Population 25 Years Old and Over by Years of School Completed and Sex". This information was based on a 20% sample survey. The "Spanish-American" category includes people who are both "White" and "Black" according to the Census definition so that the total of the "White", "Black" and "Spanish-American" columns will never equal the "Total Population" column. The "White" and "Black" figures may not equal the "Total Population" column because they do not include people of other racial backgrounds such as Asian-American and Native-American.

PAGE 8 - MEDIAN SCHOOL YEARS COMPLETED

This information was calculated from the previous table, "1970 Census: Count of Persons 25 Years of Age and Over by Years of School Completed". This calculation was performed by the Massachusetts Institute of Technology (M.I.T.) Information Processing Center.

DEMOGRAPHIC CHARACTERISTICS

PAGE 9 - CENSUS POPULATION BY RACE AND SPANISH LANGUAGE: 1960; 1970

The information on the 1960 population was obtained from the U.S. Department of Commerce, Bureau of the Census, 1960 Census of Population, Volume I, Characteristics of the Population, Part 23, Massachusetts, Tables 21, 25. This monograph

is available at libraries and governmental agencies. The "Asian-American" category includes only Chinese, Japanese, and Filipino. The percentages may not add up to 100 percent because of rounding.

The 1970 population figures were obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population, General Social and Economic Characteristics, Massachusetts, PC (1) - C23, Tables 81, 102 and 1970 Census of Population, General Population Characteristics, Massachusetts, PC (1) - B23, Tables 23, 27, 31. The "Asian-American" category includes only Chinese, Japanese and Filipino. The "Other" category includes Hawaiians, Koreans, Aleuts, Eskimos, Malaysians, and Polynesians. The "Spanish Language" data was obtained from the 1970 U.S. Census "Persons of Spanish Language" category. Persons of "Spanish Language" were not considered a distinct racial group by the U.S. Bureau of the Census and were, therefore, not distributed in the "White" or "Non-white" categories. An N.A. indicates that this information was not available for the school district. The percentages may not add up to 100 percent because of rounding.

The "1960-1970 Increase (+) Decrease (-)" figures were calculated by the MPP support research staff from the data in the first two rows of this table. The increase or decrease in the number (#) columns were derived by subtracting the 1970 population figures from the 1960 figures.

The increase or decrease in the percent (%) column were calculated by dividing the difference between the 1970 and 1960 population figures by the 1960 figures.

The "% Change in Proportional Distribution" was calculated as follows:  
The "% White", "% Non-white" and percentages for the other columns for 1970 were subtracted from the 1960 percentages. This difference was divided by the 1960 percentages and this is the figure that was recorded.

#### PAGE 9 - CENSUS POPULATION INCREASE OR DECREASE: 1960-1970

This information was obtained from the Massachusetts Department of Commerce and Development, Massachusetts Population 1970-1965-1960 and Population Movements in Massachusetts 1960-1970.

#### PAGE 9 - CENSUS: FERTILITY RATIO BY RACE

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 44, "Females 15-44 Years Old by Marital Status, Number of Children and Age". This ratio tells how many children, on the average, a woman between the ages of 15 and 44 had in 1970. For example, a fertility ratio of 1.35:1 indicates that for that city or town (and for that racial grouping) the average number of children a woman between 15 and 44 would have would be 1.35. An N.A. indicates that this information was not available for the school district.



PAGE 10 -                   1970 CENSUS:  
Household Population by Race

The information on "Total Population" was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Second Count Summary Tapes for Massachusetts, Table 1, "Race and Sex". The information on "Population in Households" was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Second Count Summary Tapes for Massachusetts, Table 3, "Household Population by Age, Race and Sex". An N.A. indicates that this information was not available for the school district. The U.S. Bureau of the Census defines people who live in households as those people who occupy a group of rooms or a single room which constitutes a housing unit. All living arrangements other than households are classified as group quarters. Persons living in group quarters include, for example, those who are inmates of institutions and those living in rooming and boarding houses, communes or military barracks.

PAGE 10 -                   1970 CENSUS:  
Number of Families by Sex of Family Head

The information on the number of families headed by females was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 75 "Family Income". The number of families headed by males was calculated by the MPP support research staff by subtracting the number of female headed families from the total number of families. This information was based on a 20 percent sample survey. The U.S. Bureau of the Census defines a family as a household head and one or more other persons living in the same household who are related to the head by blood, marriage, or adoption. The "White" and "Black" figures may not equal the "Total Population" because they do not include people of other racial backgrounds such as Asian-American and Native-American.

PAGE 10 - 1970 CENSUS: AGE DISTRIBUTION BY RACE

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Second Count Summary Tapes for Massachusetts, Table 2, "Single Years of Age, Race, and Sex". The percentages were calculated by the MPP support research staff. The percentages may not add up to 100 percent because of rounding. An N.A. indicates that this information was not available for the school district.

PAGE 11 - 1970 CENSUS: NATIVITY AND PARENTAGE

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 21, "Nativity and Parentage". This information was based on a 15 percent sample survey. A "Native of Native Parent"

is a person born in the United States, the Commonwealth of Puerto Rico or an outlying area of the United States whose parents were also born in the United States. "Foreign Stock" includes U.S. citizens who were foreign born as well as those people who were born in the U.S. but had one or more foreign born parents ("Foreign or Mixed Parentage"). The "Spanish-American" category includes people who are both "White" and "Black" according to the Census definition so that the total of the "White", "Black" and "Spanish-American" columns will never equal the "Total Population" column.

PAGE 11 - 1970 CENSUS: MOST FREQUENT COUNTRY  
of Origin of Foreign Stock

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 22, "Country of Origin and Nativity". This information was based on a 15 percent sample survey. This table indicates the country of origin of the foreign stock population (foreign born and native of foreign or mixed parentage) in a city or town, with the information presented separately for foreign born and native of mixed parentage. These figures were totalled by the MPP support research staff to arrive at the number of persons recorded for each of the countries listed in this table. The countries listed are those which have the largest number of former citizens presently U.S. citizens residing in this community. The percent foreign stock population was calculated by dividing the number of foreign stock citizens from a particular country by the total number of foreign stock residents in that city or town. The total number of foreign stock residents was obtained from the previous table, "1970 Census: Nativity and Parentage".

PAGE 11 - 1970 CENSUS: SPANISH POPULATION INDICATORS

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 24, "Spanish Indicators". The information on persons of "Spanish Origin or Descent" was derived from the question of whether a person's origin or descent was Mexican, Puerto Rican, Cuban, Central or South American, or other Spanish. The information on persons of "Puerto Rican Birth or Parentage" includes persons born in Puerto Rico and persons born in the United States or an outlying area with one or more parents born in Puerto Rico. Persons of "Spanish Language" comprise persons of Spanish mother tongue and all other persons in families in which the head or wife reported Spanish as his or her mother tongue. Since a person of "Spanish Origin or Descent" may appear in two or more of these Spanish population indicators, these figures were not totalled to arrive at a total number of Spanish population residents in a city or town.

PAGE 11 - 1970 CENSUS: MOST FREQUENT MOTHER TONGUES  
Other Than English

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 23, "Mother Tongue and Nativity". This information was based on a 15 percent sample survey of which language was spoken in a person's home when he or she was a child. Since English is the most frequent mother tongue, information is only displayed for mother tongues other than English. This information is presented separately for foreign born and natives and these figures were totalled by the MPP support research staff to arrive at the figures presented in this table.

ECONOMIC CHARACTERISTICS

PAGE 12 - 1970 CENSUS: NUMBER OF EMPLOYED PERSONS 16 YEARS OLD AND OVER  
BY OCCUPATION

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 58, "Employed Population 16 Years Old and Over by Occupation". This information was based on a 20 percent sample survey. Each of the occupation categories shown on this table such as "Professional, Technical, and Kindred Workers" have been broken down into subcategories and the same information in this table is available for each of these subcategories. An N.A. indicates that this information was not available for the school district. The percentages may not add up to 100 percent because of rounding. The "White" and "Black" figures may not equal the "Total Persons Employed" because they do not include people of other racial backgrounds such as Asian-American and Native-American. The "Spanish-American" category includes people who are both "White" and "Black" according to the Census definition so that the total of the "White", "Black" and "Spanish-American" columns will never equal the "Total Persons Employed" column.

PAGE 13 - MEDIAN INCOME: 1960 CENSUS; 1970 CENSUS

The information on 1960 Median Income was obtained from the U.S. Department of Commerce, Bureau of the Census, 1960 Census of Population, Volume I, Characteristics of the Population, Part 23 Massachusetts, Tables 33, 34, 76.

The information on the 1970 Median Income was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 75, "Family Income", and Table 76, "Income of Unrelated Individuals". This information was based on a 20 percent sample survey.



Information on families includes all those people living in the same household who are related to the head by blood, marriage, or adoption. Information on unrelated individuals includes all members of a household who are not related to anyone else in the household or a person living in group quarters who is not an inmate of an institution. An N.A. indicates that this information was not available for the school district.

PAGE 13 -                   1970 CENSUS: EMPLOYMENT STATUS BY RACE  
                            of Persons 16 Years of Age and Over in Labor Force

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 54, "Population 16 Years Old and Over by Labor Force Status, Selected Characteristics, and Sex". This information was based on a 20 percent sample survey. The employment or labor force status of persons over 16 is recorded by the U.S. Bureau of the Census in three categories: "In Labor Force", "In Armed Forces", and "Not in Labor Force". The information in this table covers only those people in the labor force, and this category is broken down into those who are "Employed" and those who are "Unemployed". Since the number and percent "Unemployed" is only based on those people in the labor force, it is an undercount of actual unemployment in a community. The "Total" is of those people 16 years and over in the labor force. An N.A. indicates that this information was not available for the school district. The "Spanish-American" category includes people who are both "White" and "Black" according to the Census definition so that the total of the "White", "Black", and "Spanish-American" columns will never equal the "Total" column. The percentages may not add up to 100 percent because of rounding. The "White" and "Black" figures may not equal the "Total" column because they do not include people of other racial backgrounds such as Asian-American and Native-American.

PAGE 14 -                   1970 CENSUS:  
                            Number of Persons in Families and  
                            Number of Unrelated Individuals with Income Less Than Poverty Level

The information on the number of "Persons in Families" below poverty level was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 83, "Aggregate Number of Persons in Families below Poverty Level".

The information on the "Number of Unrelated Individuals with Income Less Than Poverty Level" was obtained from the U.S. Department of Commerce, Bureau of the Census 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 89, "Unrelated Individuals by Age and Poverty Status". This information was based on a 20 percent sample survey. The number of persons in families and the number of unrelated individuals were totalled by the MPP support research staff to arrive at the total in this table.

The definition of poverty level income originated with the U.S. Social Security Administration in 1964 and was subsequently modified by a Federal Interagency Committee. This index provides a range of poverty income cutoffs adjusted by such factors as family size, family head, number of children under 18 years old, and farm and nonfarm residence, needed in order to maintain a nutritionally adequate food plan designed by the Department of Agriculture. In 1969, the poverty thresholds ranged from \$1,847 for a female unrelated individual 65 years old and over living on a farm to \$6,116 for a nonfarm family with a male head and with seven or more persons. The average poverty threshold for a nonfarm family of four headed by a male was \$3,745. An N.A. indicates that this information was not available for the school district. The percentages may not add up to 100 percent because of rounding. The "White" and "Black" figures may not equal the "Total Population" because they do not include people of other racial backgrounds such as Asian-American and Native-American. The "Spanish-American" category includes people who are both "White" and "Black" according to the Census definition so that the total of the "White", "Black", and "Spanish-American" columns will never equal the "Total Population" column.

PAGE 14 -

1970 CENSUS:

Number of Related Children Under 18 in Families  
Below Poverty Level by Presence of Parents

This information was obtained from the 1970 U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 92, "Related Children Under 18 Years Old in Families Below Poverty Level by Presence of Parents". This information was based on a 20 percent sample survey. The percentages were calculated by the MPP support research staff by dividing the number of children under 18 living in families below poverty level by the total number of children under 18 in that city or town. An N.A. indicates that this information was not available for the school district. The "White" and "Black" figures may not equal the "Total Population" because they do not include people of other racial backgrounds such as Asian-American and Native-American. The "Spanish-American" category includes people who are both "White" and "Black" according to the Census definition so that the total of the "White", "Black" and "Spanish-American" columns will never equal the "Total Population" column.

PAGE 15 - CHARACTERISTICS OF INDUSTRIAL FIRMS: 1967

This information was obtained from the Commonwealth of Massachusetts, Division of Employment Security, "Massachusetts Employment and Wages 1967 by Area (City and Town) by Industry, 3 digit," unpublished computer printouts. This information is on industrial establishments subject to the Massachusetts Employment Security Law, Chapter 151A of the General Laws, and generally excludes employment in nonprofit institutions organized for religious, charitable, educational,

or scientific purposes; in domestic service; self employment and unpaid family service; and in governments. A definition of each major industry, such as "Agriculture and Mining", presented in this table, can be found in the following publication: The Commonwealth of Massachusetts, Division of Employment Security, Massachusetts Cities and Towns, Employment and Wages in Establishments Subject to the Massachusetts Employment Security Law by Major Industry Divisions 1967-1971, March, 1973.

#### PAGE 16 - CHARACTERISTICS OF INDUSTRIAL FIRMS: 1972

This information was obtained from the Commonwealth of Massachusetts, Division of Employment Security, "Massachusetts Employment and Wages 1972 by Area (City and Town) by Industry, 3 digit", unpublished computer printouts. This information is on industrial establishments subject to the Massachusetts Employment Security Law, Chapter 151A of the General Laws, and generally excludes employment in nonprofit institutions organized for religious, charitable, educational, or scientific purposes; in domestic service; self employment and unpaid family service; and in governments. A definition of each major industry, such as "Agriculture and Mining", presented in this table, can be found in the following publication: The Commonwealth of Massachusetts, Division of Employment Security, Massachusetts Cities and Towns, Employment and Wages in Establishments Subject to the Massachusetts Employment Security Law by Major Industry Divisions 1967-1971, March, 1973.

#### LAND USE CHARACTERISTICS

##### PAGE 17 - LAND USE PATTERNS IN (CITY OR TOWN NAME)

The percentages measured on this pie chart were calculated from land use pattern information obtained from the Metropolitan Area Planning Council, Preliminary Single Purpose Plan Report, Land Use Numbers, Study Element Number 3.05 of the Southeastern New England Study, October 1973 (compiled for the New England River Basin Study). This report contained information on the number of acres in a city or town utilized for "Residential", "Commercial" and the other remaining categories. The MPP support research staff calculated the percentages that were used to develop the pie chart displayed in this table.

#### HOUSING CHARACTERISTICS

##### PAGE 18 - 1970 CENSUS: SELECTED HOUSING CHARACTERISTICS

This information was obtained from the U.S. Department of Commerce, Bureau of the



Census, 1970 Census of Population and Housing, 1970 Census of Housing, General Housing Characteristics, Massachusetts HC (1)-A23, Tables 1, 8, 18, 23, 24. The median value of owner occupied units does not include those that are in multi-unit structures, trailers, rural units on farms or places of ten or more acres, or on properties any part of which is used as a business.

The U.S. Bureau of the Census defines a housing unit as a house, an apartment, a group of rooms, or a single room occupied or intended for occupancy as separate living quarters. A housing unit was considered vacant if no one was living in it at the time the Census was taken unless its occupants were only temporarily absent. Median value was the owner's estimate of how much the property (house and lot) would sell for, if it were for sale. Median contract rent is the monthly rent agreed to, or contracted for, regardless of any furnishings, utilities, or services that may be included.

PAGE 18 -           1970 CENSUS: NUMBER OF HOUSING UNITS  
by Occupancy Status and Race of Head of Household

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Housing Summary Tapes for Massachusetts, Table 26, "Occupancy/Vacancy Status". The total number of housing units in this table may be slightly lower than the total in the previous table because it does not include vacant migratory and seasonal units. The percentages may not add up to 100 percent because of rounding. An N.A. indicates that this information was not available for the school district. The "White" and "Black" figures may not equal the "Total" column because they do not include people of other racial backgrounds such as Asian-American and Native-American. This information was based on a 20% sample survey.

PAGE 18 - BUILDING PERMITS ISSUED FOR NEW  
Dwelling Units: 1960-71

This information was obtained from the Massachusetts Department of Commerce and Development, City and Town Monograph. This is a separate monograph for each city and town in the Commonwealth of Massachusetts. These monographs, which contain other information on a city or town, are free to the public upon request.

PAGE 19 - NUMBER OF SUBSIDIZED HOUSING UNITS BY TYPE OF CONSTRUCTION  
STATUS: 1973

This information was obtained from the Metropolitan Area Planning Council, (MAPC) Subsidized Housing in the Boston Region as of December 31, 1973, and is available to the public upon request. The MAPC is the regional planning agency for the Boston metropolitan area; it studies the demographic, socio-economic, land use, and housing characteristics of the cities and towns in the Boston metropolitan area. MHFA refers to the Massachusetts Housing Finance Agency.

PAGE 19 - 1970 CENSUS: AGE OF HOUSING UNITS

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Housing Summary Tapes for Massachusetts, Table 8, "Year Structure Built, Tenure, and Race of Head". This information was based on a 20 percent sample survey. Since this information is based on a sample survey, the total number of housing units may not equal the total number of units recorded on other "Housing Characteristic" tables. The number of "Other Occupied Housing Units" was calculated by the MPP support research staff by subtracting the "Black Occupied Housing Units" column from the "Total Housing Units" column. The "Other Occupied Housing Units" are occupied primarily by whites but may also be occupied by Asian-American, Native-American and other racial and ethnic group members. The percentages may not add up to 100 percent because of rounding. An N.A. indicates that this information was not available for the school district. The "Spanish-American" category includes people who are both "White", and "Black" according to the Census definition so that the total of the "White" "Black" and "Spanish-American" columns will never equal the "Total Housing Units" column.

PAGE 20 - 1970 CENSUS: NUMBER OF PERSONS PER ROOM IN OCCUPIED HOUSING UNITS  
By Race of Head of Household

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, First Count Summary Tapes for Massachusetts, Table 30, "Persons per Room, Tenure and Race of Head". The number of "Other Occupied Housing Units" was calculated by the MPP support research staff by subtracting the "Black Occupied Housing Units" column from the "Total Occupied Units" column. An N.A. indicates that this information was not available for the school district. The percentages may not add up to 100 percent because of rounding.

PAGE 20 - 1970 CENSUS: TYPE OF HOUSING STRUCTURE

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Housing Summary Tapes for Massachusetts, Table 9, "Units in Structure, Tenure, and Race, of Head". This information was based on a 20 percent sample survey. Since this information is based on a sample survey, the total number of housing units may not equal the total number of units recorded on other "Housing Characteristic" tables. This information is also available for Black and Spanish-American occupied units, both owner occupied and renter occupied. An N.A. indicates that this information was not available for the school district. The percentages may not add up to 100 percent because of rounding.



PAGE 20 - 1970 CENSUS:  
Average Number of  
Persons per Housing Unit

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Housing Summary Tapes for Massachusetts, Table 37, "Number of Persons in Unit, Tenure, and Race of Head". This information was based on a 20 percent sample survey. This information was calculated by the MPP support research staff by dividing the number of persons in housing units by the total number of housing units. The number of "Other Occupied Housing Units" was calculated by the MPP support research staff by subtracting the "Black Occupied Housing Units" column from the "Total Occupied Housing Units" column.

PAGE 21 - 1970 CENSUS: VALUE OF OWNER OCCUPIED HOUSING UNITS BY RACE OF  
HEAD OF HOUSEHOLD

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Housing Summary Tapes for Massachusetts, Table 52, "Value, Occupancy Status, and Race of Head". This information was based on a 20 percent sample survey. The value of an owner occupied unit was the owner's estimate of how much the property (house and lot) would sell for, if it were for sale. The number of "Other Owner Occupied Units" was calculated by the MPP support research staff by subtracting the "Black Owner Occupied Units" column from the "Total Owner Occupied Units" column. The percentages may not add up to 100 percent because of rounding. An N.A. indicates that this information was not available for the school district. The "Spanish-American" category includes people who are both "White" and "Black" according to the Census definition so that the total of the "White", "Black" and "Spanish-American" column will never equal the "Total Owner Occupied Units" column.

PAGE 22 - 1970 CENSUS: MONTHLY GROSS RENT BY RACE OF HEAD OF HOUSEHOLD

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Housing Summary Tapes for Massachusetts, Table 19, "Gross Rent and Race of Head". This information was based on a 20 percent sample survey. "Monthly Gross Rent" is the monthly rent agreed to, or contracted for, regardless of any furnishings, utilities, or services that may be included plus the estimated average monthly cost of utilities and fuels, if these items are paid for by the renter in addition to rent. The number of "Other Renter Occupied Units" was calculated by the MPP support research staff by subtracting the "Black Renter Occupied Units" column from the "Total Renter Occupied Units" column. An N.A. indicates that this information was not available for the school district. The percentages may not add up to 100 percent because of rounding. The "Spanish-American" category includes people who are both "White" and "Black" according to the Census definition so that the total of the "White", "Black" and "Spanish-American" columns will never equal the "Total Renter Occupied Units" column.

## NOTES AND SOURCES FOR THE INDIVIDUAL SCHOOL PROFILES

### PAGE 1 - SCHOOL DISTRICT #, SCHOOL #

The school district and school number (#) which appear on the upper right hand box are code numbers which are used by the Massachusetts State Department of Education. These code numbers were obtained from the Massachusetts State Department of Education, Bureau of Educational Information Services, Massachusetts School Directory 1973-74.

### PAGE 1 - 1973-74 SCHOOL DISTRICT; SCHOOL NAME; NO. & STREET; City, State, Zip; Grade Organization

This information was obtained from the Massachusetts State Department of Education, Bureau of Educational Information Services, Massachusetts School Directory 1973-74.

### PAGE 1 - FACILITIES

The information on a school's date of initial construction, date(s) of additions or changes, number of rooms for instructional use, and total number of rooms were obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, School Building Inventory, Fall, 1973. There were fifty-eight types of school rooms listed on this form. Forty-two of these rooms were placed by the MPP support research staff in the "Instructional Use" category. These rooms are:

1. Art (General)
2. Arts and Crafts
3. Auditorium
4. Automotive
5. Bandroom
6. Biology Laboratory
7. Bookkeeping
8. Chemistry Laboratory
9. Child Care Center
10. Chorus Room
11. Classroom Regular, (Regular, Interchangeable)
12. Classroom (Seminar Room)
13. Corrective Room (Athletics)
14. Earth Science Laboratory
15. Field House
16. General Science Laboratory
17. Graphic Arts
18. Gymnasium
19. Home Economics (Food)

20. Home Economics (General)
21. Home Economics (Multi-purpose Living Center)
22. Ice Skating Rink
23. Instructional Media Center
24. Language Arts Laboratory
25. Library
26. Mathematics Laboratory
27. Mechanical Drawing
28. Metal Shop
29. Music Room (General)
30. Office Machines
31. Office Practice
32. Physics Laboratory
33. Power Mechanics Shop
34. Sewing Room
35. Shop (General)
36. Social Studies Laboratory
37. Special Education Remedial Rooms
38. Stenography Room
39. Swimming Pool
40. Television Room
41. Typing Room
42. Wood Shop

The remaining sixteen were placed in the "Other Uses" category.  
They are:

1. Administrative Office
2. Audio-Visual Workroom
3. Cafeteria
4. Data Processing
5. Guidance Office
6. Health Suite
7. Kitchen
8. Lavatories (Boys')
9. Lavatories (Girls')
10. Shower and Locker Rooms
11. Storage (Books)
12. Storage (Custodial Supplies)
13. Storage (General Instructional Supplies)
14. Student Activity Room
15. Teachers' Lounge
16. Teachers' Workroom

An N.A. indicates that this information was not available for the school.



PAGE 1 - 1973-74 FEDERAL PROGRAMS

The information on "Title I" programs in a school ("Type of Program", "# of Students") was obtained from the Massachusetts State Department of Education, Division of Curriculum and Instruction, Bureau of Curriculum Services, Title I ESEA, "Unpublished Title I Program Documents, 1973-74." The "% School Enrollment" was calculated by the MPP support research staff by dividing the number of students in Title I programs by the total number of students in the school during the 1973-74 school year. The total number of students was obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Enrollment by Classification, Exhibit II, 1973-74. This is the same total that appears in the "Student Ethnic Census: 1973-74" table on page 2. The Title I program is funded by the U.S. Office of Education and was legislated by the U.S. Congress as part of the 1965 Elementary and Secondary Education Act (ESEA). The Title I program provides assistance for "educationally deprived and neglected and delinquent children".

The information on students in the "Lunch Program" ("# Students, Free"; "# Students, Reduced Price") was obtained from the Massachusetts State Department of Education, Bureau of Nutrition Education and School Food Services Education, "Average Number of Lunches Served to Needy". The figures in this table were calculated by taking the number of needy students served lunches in a school during the month of January, 1974 and dividing this number by the number of days schools were opened that month. The "% School Enrollment" was calculated by the MPP support research staff, 1973-74, by dividing the number of "Lunch Program" students by the 1973-74 school enrollment obtained from the Massachusetts State Department of Education, Division of Research, Planning and Evaluation, Enrollment by Classification, Exhibit II, 1973-74.

The information on students eligible for the "Bilingual Program" was obtained from the Massachusetts State Department of Education, Bureau of Transitional Bilingual Education, Census of Children of Limited English Speaking Ability on October 1, 1973, under Chapter 71A, Act of 1971. This Census of all public school students is conducted each year in order to determine how many students are of limited English speaking ability as defined in Chapter 71A and, thus, eligible for transitional bilingual classes. The "% School Enrollment" was calculated by the MPP support research staff by dividing the number of eligible bilingual students by the 1973-74 school enrollment obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Enrollment by Classification, Exhibit II, 1973-74.

The information on the number of METCO (Metropolitan Council for Educational Opportunities, Inc.) students was obtained from the METCO files, "Unpublished Student Enrollment Records", August, 1974. METCO is a state funded interdistrict transfer program which transports children from Boston to suburban school districts. The "% School Enrollment" was calculated by the MPP support research staff by dividing the number of METCO students by the 1973-74 school enrollment obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Enrollment by Classification, Exhibit II, 1973-74.

This information was obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, 1973-74 Professional Staff Survey. The figures in this table are not always an accurate total of the number of professional staff employed in a school because some staff members may not have filled in a survey. In addition, some staff members may have completed one section of the survey but not another section. As a result, the totals under the "Age", "Years in Present System", and "Position" columns may not be the same. The total number (#) of professional staff recorded in the "Census" column is the largest number of staff found in either the "Age", "Years in Present System", or "Position" categories. The "Total" number of professional staff members may be greater than the total number of "White", "Black", "Spanish Surname", "Asian-American", "Native-American", and "Other" professional staff members because some people who answered this survey did not indicate their racial or ethnic background. An N.A. indicates that this information was not available for the school.

The survey form had 24 different position codes. These positions were reclassified, by the MPP support research staff, under one of these four headings: "Administrators", "Teachers", "Teacher Aides", and "Other Professionals".

"Administrators" include the following positions:

1. Administrative Assistant
2. Assistant Director or Manager
3. Assistant or Vice-Principal
4. Assistant Superintendent
5. Assistant Supervisor
6. Director or Manager (Pupils or Programs)
7. Principal
8. Research
9. Superintendent

"Teachers" include:

1. Itinerant Teacher
2. Special Class Teacher (Handicapped)
3. Specialist (Reading, Speech, etc.)
4. Teacher

"Teacher Aides" include:

1. Teacher Aide

"Other Professionals" include:

1. Attendance Supervisor
2. Chairman or Department Head
3. Counselor
4. Librarian
5. Nurse
6. Other Professional or Technical Personnel
7. Psychologist
8. Psychometrist
9. Social Worker (Adjustment Counselor)
10. Supervisor or Consultant (Staff Improvement)



PAGE 2 - STUDENT ETHNIC CENSUS: 1973-74

This information was obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Enrollment by Classification, Exhibit II, 1973-74. The figures in the "White" column include "White" students and students of racial backgrounds other than "Black", "Native-American", "Asian-American", and "Spanish Surname". "Spanish Surname" students were placed in the "Non-white" category.

PAGE 2 - RACIAL CENSUS: 1967-68; 1970-71; 1972-73

The information on the "Total", "White", and "Non-white" enrollments for these three school years were obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Racial Census, October, 1967; Racial Census, October, 1970; and Racial Census, October, 1972. The Racial Census does not indicate which students were considered "White" and which were considered "Non-white".

PAGE 2 - RACIAL CENSUS: ENROLLMENT CHANGE 1967-1972

These figures were calculated from the previous table by the MPP support research staff. The figures under the number sign (#) column were calculated by subtracting from the "Total", "White" or "Non-white" enrollment for the 1972-73 school year, the "Total", "White" or "Non-white" enrollment for the 1967-68 school year. For example, if the 1972-73 total enrollment was 100 students and the 1967-68 enrollment was 50 students, the enrollment change would be +50(100-50) and this figure would appear in the appropriate box. The figures under the percent(%) column were derived by dividing the difference between the 1972-73 and 1967-68 enrollment by the 1967-68 enrollment. If the difference, for example, between the 1972-73 and 1967-68 enrollments were +50 and the 1967-68 enrollment were 50, the percent change would be +100(50/50). The figures under the "% Change in Proportional Distribution" column were calculated as follows:

The "% White" (or "% Non-white") for 1972-73 was subtracted from the "% White" (or "% Non-white") for 1967-68.

This difference was divided by the "% White" (or "% Non-white") for 1967-68 and this is the figure that was recorded. For example, if the "% White" in 1967-68 was 75% and the "% White" in 1972-73 was 50%, the "% Change in Proportional Distribution" would be calculated as follows:  
 $(50-75)/75 = (-25)/75 = -0.33$ .

Since the percent "Total Enrollment" is always 100%, no "% Change in Proportional Distribution" was calculated or recorded for "Total Enrollment". If there is a percent change from 0 to any number, the "% Change in Proportional Distribution" is mathematically undefined. This is noted by the word "Undefined".

PAGE 2 - FOLLOW-UP OF HIGH SCHOOL GRADUATES: 1968-1972

The information on the post high school placement of 1968 graduates was obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Distribution of Graduating Class, 1969. The number of students in each of the various placement categories may not equal the total number of high school graduates because information on all placements was not available. If there was no information available on high school graduates in a particular school, this is noted by an N.A. in the first column (under the # sign). The information on the 1972 graduates was obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Distribution of High School Graduates, Class of 1972, Fall 1973. The percentages in the 1972 column may not add up to 100% because of rounding. This table is only displayed for high schools; the profiles for elementary and junior high schools do not have this table.

PAGE 2 - ELIGIBLE TRANSITIONAL BILINGUAL STUDENTS: 1973-74

The number of students eligible for a transitional bilingual program was obtained from the Massachusetts State Department of Education, Bureau of Transitional Bilingual Education, Census of Children of Limited English Speaking Ability on October 1, 1973, under Chapter 71A, Act of 1971. This Census of all public school students is conducted each year in order to determine how many students are of limited English speaking ability as defined in Chapter 71A and, thus, eligible for transitional bilingual classes. The "Percent of Bilingual Enrollment" was calculated by the MPP support research staff by dividing the number of students in each language category, such as "Chinese" or "French" by the "Total" number of eligible bilingual students.

Leslie Steven May



## EDUCATIONAL CHARACTERISTICS

NUMBER OF SCHOOLS AND ENROLLMENT By Type of School: 1973-74				
Type of School	Number of Schools	Enrollment		
		Total	White	Non-white
Elementary	3	1,525	1,514	11
Junior High	1	711	711	0
High School	1	639	639	0
Special & Ungraded	0			
Regional	0			
Vocational	0			
Total	5	2,875	2,864	11

SCHOOL ATTENDING CHILDREN IN PUBLIC and Non-public Schools				
Year	Total	Public		Non-public
		#	%	# %
1967-68	2,418	2,202	91.1	216 8.9
1970-71	2,890	2,641	91.4	249 8.6
1972-73	3,004	2,805	92.1	239 7.9

EDUCATIONAL COLLABORATIVE PARTICIPATION 1973-74	
Massachusetts Association of School Business Officials (MASBO): Leslie B. Cutler Clinic	Metropolitan Planning Project-Approving District; Community Language Program (Title III)

1970 CENSUS: SCHOOL ENROLLMENT FOR Level and Type of School by Race (Population 3 - 34 years)									
Level and Type of School	Total		White		Black		Spanish-American		
	#	%	#	%	#	%	#	%	
Nursery School <sup>1</sup>									
Public	0		0		N.A.		0		
Parochial	0		0		N.A.		0		
Private	54	1.7	54	1.7	N.A.		0		
Kindergarten									
Public	23	0.7	23	0.7	N.A.		0		
Parochial	0		0		N.A.		0		
Private	122	3.7	122	3.7	N.A.		0		
Elementary (1-8)									
Public	1,928	59.1	1,928	59.1	N.A.		6	26.1	
Parochial	32	1.0	32	1.0	N.A.		0		
Private	79	2.4	79	2.4	N.A.		0		
High School (1-4)									
Public	761	23.3	761	23.3	N.A.		6	26.1	
Parochial	9	0.3	9	0.3	N.A.		0		
Private	27	0.8	27	0.8	N.A.		0		
College									
Public	48	1.5	48	1.5	N.A.		0		
Private	181	5.5	181	5.5	N.A.		0		

FEDERALLY-FUNDED PROGRAMS		
Program	# of Students	% Total Enrollment
Title I	30	1.0
Title III	2	0.1





## EDUCATIONAL CHARACTERISTICS

RACIAL CENSUS: 1967-68; 1970-71; 1972-73					
Years	Total Enrollment	White		Non-white	
		#	%	#	%
1967-1968	2,179	2,177	99.9	2	0.1
1970-1971	2,620	2,612	99.7	8	0.3
1972-1973	2,781	2,771	99.6	10	0.4

RACIAL CENSUS: ENROLLMENT CHANGE 1967-1972				
	#	%	% Change in Proportional Distribution	
TOTAL	+602	+27.6		
White	+594	+27.3		-0.3
Non-white	+8	+400.0		+300.0

STUDENT ETHNIC CENSUS: 1973-74					
		Black	Non-white		
			Native-American	Asian-American	Spanish Surname
Number	2,875	4	0	6	1
Percent	100.0	0.1		0.2	0.0

FOLLOW UP OF HIGH SCHOOL GRADUATES: 1968; 1972					
Post High School Placement	Class of				
	1968		1972		
	#	%	#	%	
4-yr. State College	17	14.8	35	24.0	
4-yr. Other College	36	31.3	28	19.2	
2-yr. State College	5	4.3	17	11.6	
2-yr. Other College	20	17.4	13	8.9	
Nurses Training	4	3.5	3	2.1	
Other Post Secondary	3	2.6	10	6.8	
Military	5	4.3	3	2.1	
Work	20	17.4	32	21.9	
Other	5	4.3	5	3.4	
TOTAL	115	100.0	146	100.0	

ELIGIBLE TRANSITIONAL BILINGUAL STUDENTS: 1973-74			
Language	Number of Students	Percent of Bilingual Enrollment	
TOTAL	0		
Chinese			
French			
Greek			
Italian			
Portuguese			
Spanish			
Other			



METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE # 175 MEDFIELD

EDUCATIONAL CHARACTERISTICS

PUBLIC SCHOOL STUDENT ENROLLMENTS: 1964 - 1982				
Past Enrollments: 1964 - 1972				
Projected Enrollments: 1973 - 1982				
School Year Beginning in Fall of	Total K-12 (R <sup>2</sup> = .996)	Total K-6 (R <sup>2</sup> = . )	Total 7-12 (R <sup>2</sup> = . )	White K-12 (R <sup>2</sup> = .996 )
				Non-white K-12 (R <sup>2</sup> = .800 )
1964	1506.00			1506.00
1965	1811.00			1811.00
1966	1989.00			1989.00
1967	2179.00			2177.00
1968	2364.00			2362.00
1969	2569.00			2568.00
1970	2620.00			2612.00
1971	2714.00			2706.00
1972	2781.00			2771.00
1973	2830.86			2819.48
1974	2866.08			2853.43
1975	2911.72			2878.04
1976	2910.28			2895.78
1977	2923.65			2908.52
1978	2933.26			2917.63
1979	2940.14			2924.14
1980	2945.07			2928.78
1981	2948.59			2932.08
1982	2951.11			2934.43



METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE # 175 MEDFIELD

EDUCATIONAL CHARACTERISTICS

NUMBER OF TEACHERS BY RACE: 1972-73										
Total	White		Non-White		Non-white					
	#	%	#	%	Black	Asian-American	Native-American	Spanish Surname	#	%
156	156	100.0	0		0	0	0		0	

NUMBER OF TEACHERS, TEACHER AIDES AND OTHER PROFESSIONAL STAFF: 1973-74													
Staff Status	Total	White		Non-white		Non-white						Spanish Surname	
		#	%	#	%	Black	Asian-American	Native-American	Spanish Surname	#	%	Other	%
Teachers	167	167	100.0	0									
Teacher Aides	4	4	100.0	0									
Other Professional Staff	28	28	100.0	0									
Total	199	199	100.0	0									





METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE # 175 MEDFIELD

EDUCATIONAL CHARACTERISTICS

SELECTED FINANCIAL CHARACTERISTICS								
Year	% Municipal Tax Dollar Spent on Education	Comprehensive Per Pupil Expenditure in \$			Public School Attending Children Transported at Public Expense		Computative Equalized Property Valuation per School Attending Child in \$	
		Total	Elementary School	Junior High School	High School	#		%
1967-68	59.5	600	485	639	792	994	45.1	14,888
1970-71	59.6	818	746	749	1,097	1,389	52.6	20,761
1972-73	61.5	1,013	914	1,042	1,202	1,470	52.4	21,682

1973 TAX RATE	
Official	Equalized
52.25	51.73

1973 SCHOOL TAX RATE	
Official	Equalized
32.40	32.08

1973 MOODY'S BOND RATING	
	A

PUBLIC SCHOOL STUDENTS Receiving Subsidized Lunches: 1973-74		
	# of Lunch Program Students	% of Total Enrollment
TOTAL	41	1.4
Free	41	1.4
Reduced Price	0	

STUDENTS ENROLLED IN METCO		
Year	# METCO Students	% of Total Enrollment
1967-68	0	
1970-71	0	
1972-73	0	
1973-74	0	



## EDUCATIONAL CHARACTERISTICS

PERCENT DISTRIBUTION OF SCHOOL REVENUES: 1967-68; 1970-71; 1972-73									
Year	Total Public School Funds Provided *	Local Sources		Commonwealth Sources		Federal Sources		Other School Districts	
		\$	%	\$	%	\$	%	\$	%
1967-68	1,884,800	1,474,311	78.2	366,324	19.4	64,377	3.4	205	0.0
1970-71	2,876,326	2,098,701	73.0	699,537	24.3	117,211	4.1	0	
1972-73	3,543,606	2,279,408	64.3	1,206,983	34.1	55,139	1.6	0	
Notes: *The amount of Total Public School Funds Provided is not necessarily equal to the total of the Local, Commonwealth, Federal, and Other School District revenues because the total incorporates an adjustment figure reported in the annual budget for the beginning and ending balance.									

ABSOLUTE DOLLAR AND PERCENT CHANGES IN REVENUES: 1967-72									
Changes in Public School Funds Provided 1967-72	Total	Local Sources		Commonwealth Sources		Federal Sources		Other School Districts	
		\$	%	\$	%	\$	%	\$	%
	1,658,806	805,097	54.6	840,659	229.5	-9,238	- 14.3	-205	0.0

PERCENT CHANGE IN PROPORTIONAL DISTRIBUTION OF REVENUES: 1967-72				
% Change in Proportional Distribution of Revenue 1967-72	Local Sources		Commonwealth Sources	
	- 17.8		75.8	
			- 52.9	
			0.0	





METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE # 175 MEDFIELD

EDUCATIONAL CHARACTERISTICS

PERCENT DISTRIBUTION OF SCHOOL EXPENDITURES: 1967-68; 1970-71; 1972-73															
Year	Total Public School Funds Applied	Expenditures by School Committee						Expenditures for Services provided by Other Municipal Agencies		Expenditures for Regional School Assessments		Expenditures of Federal Funds		Expenditures of Revolving Funds	
		Administration		Instruction		Other*		%	\$	%	\$	%	\$		%
		%	\$	%	\$	%	\$								
1967-68	1,884,800	33,620	1.8	1,067,498	56.6	200,428	10.6	420,479	22.3	0		29,526	1.6	133,249	7.1
1970-71	2,876,326	67,568	2.4	1,645,653	57.1	403,565	14.0	574,889	20.0	0		17,450	0.6	167,201	5.8
1972-73	3,543,606	88,422	2.5	2,234,510	63.0	494,254	14.0	510,036	14.4	0		20,815	0.6	195,569	5.5

Changes in Public School Funds Expended 1967-72	Total Public School Funds Applied	ABSOLUTE DOLLAR AND PERCENT CHANGES IN EXPENDITURES: 1967-72													
		Expenditures by School Committee						Expenditures for Services provided by Other Municipal Agencies		Expenditures for Regional School Assessments		Expenditures of Federal Funds		Expenditures of Revolving Funds	
		Administration		Instruction		Other*									
		\$	%	\$	%	\$	%	\$	%	\$	%	\$	%	\$	%
		54,802	163.0	1,167,012	109.3	293,826	146.6	89,557	21.3	0		-8,711	-29.5	62,320	46.8
	1,658,806														

Percent Change in Proportional Distribution of Expenditures 1967-72	PERCENT CHANGE IN PROPORTIONAL DISTRIBUTION OF EXPENDITURES: 1967-72								
	Expenditures by School Committee			Expenditures for Regional School Assessments	Expenditures of Federal Funds	Expenditures of Revolving Funds			
	Administration		Instruction				Other*	Expenditures for Services provided by Other Municipal Agencies	
	38.9		11.3		32.1	-35.4	0.0	-62.5	-22.5

Note: \*Other includes the following categories: attendance, health service, pupil transportation, food services, athletics, other student-body activities, operation and maintenance of plant, fixed charges, community services, acquisitions of fixed assets, debt retirement and debt services, and programs with other districts.



## DEMOGRAPHIC CHARACTERISTICS

CENSUS POPULATION INCREASE OR DECREASE: 1960-1970	
1960-70	
Increase (+) or Decrease (-)	+3,800
% Change 1960-70	
Increase (+) or Decrease (-)	+63.1
Balance of Births to Deaths	
Excess of Births (+) Excess of Deaths (-)	+853
Net Migration	
Excess of People Moving In (+) Excess of People Moving Out (-)	+2,947

8



## DEMOGRAPHIC CHARACTERISTICS

1970 CENSUS: Household Population by Race		
Race	Total Population #	Population in Households # %
White	9,768	8,871 99.6
Black	24	11 0.1
Other	29	27 0.3
Total	9,821	8,909 100.0

1970 CENSUS: Number of Families by Sex of Family Head				
Family Head	Total Population	White	Black	Spanish-American
Male	2,050	2,050		15
Female	110	110		0
Total	2,160	2,160	N.A.	15

1970 CENSUS: AGE DISTRIBUTION BY RACE									
Age	Total	White		Non-white		Non-white			
		#	%	#	%	Black #	%	Other #	%
Under 5	893	888	9.1	5	9.4	1	4.2	4	13.8
5 - 9	1,187	1,184	12.1	3	5.7	2	8.3	1	3.5
10 - 14	1,199	1,198	12.3	1	1.9	0		1	3.5
15 - 19	848	846	8.7	2	3.8	1	4.2	1	3.5
20 - 24	421	421	4.3	0		0		0	
25 - 44	2,727	2,699	27.6	28	52.8	9	37.5	19	65.5
45 - 64	1,842	1,839	18.8	3	5.7	1	4.2	2	6.9
65 and Over	704	693	7.1	11	20.8	10	41.7	1	3.5
Total	9,821	9,768	100.0	53	100.0	24	100.0	29	100.0





METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE # 175 MEDFIELD

DEMOGRAPHIC CHARACTERISTICS

1970 CENSUS: NATIVITY AND PARENTAGE					
Nativity	Total Population		White		Spanish-American
	#	%	#	#	#
Native of Native Parent	7,227	73.6	7,210		38
Foreign Stock	2,594	26.4	2,594		33
Total	9,821	100.0	9,804	N.A.	71

1970 CENSUS: MOST FREQUENT COUNTRY of Origin of Foreign Stock			
Country of Origin	# of Persons	% Foreign Stock Population	
Canada	661	25.5	
Italy	489	18.9	
United Kingdom	298	11.5	
Ireland	201	7.7	

1970 CENSUS: SPANISH POPULATION INDICATORS			
Indicators	# of Persons	% of Total Population	
Spanish Origin or Descent	0		
Puerto Rican Birth or Parentage	0		
Spanish Language	71	0.7	

1970 CENSUS: MOST FREQUENT MOTHER TONGUES Other Than English			
Mother Tongue	# of Persons	% of Total Population	
Italian	542	5.5	
German	193	2.0	
French	191	1.9	
Swedish	96	1.0	



## ECONOMIC CHARACTERISTICS

1970 CENSUS: NUMBER OF EMPLOYED PERSONS 16 YEARS OLD AND OVER BY OCCUPATION									
Occupation	Total Persons Employed		White		Black		Spanish-American		
	#	%	#	%	#	%	#	%	
Professional, Technical and Kindred Workers	852	26.0	852	26.0			0		
Managers and Administrators, except Farm	674	20.5	674	20.5			7	33.3	
Sales Workers	273	8.3	273	8.3			8	38.1	
Clerical and Kindred Workers	550	16.8	550	16.8			6	28.6	
Craftsmen, Foremen and Kindred Workers	265	8.1	265	8.1			0		
Operatives, except Transport	220	6.7	220	6.7			0		
Transport Equipment Operatives	51	1.6	51	1.6			0		
Laborers, except Farm	43	1.3	43	1.3			0		
Farmers and Farm Managers	5	0.2	5	0.2			0		
Farm Laborers and Foremen	21	0.6	21	0.6			0		
Service Workers, except Private Household	282	8.6	282	8.6			0		
Private Household Workers	44	1.3	44	1.3			0		
Total	3,280	100.0	3,280	100.0	N.A.		21	100.0	





METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE #175 MEDFIELD

ECONOMIC CHARACTERISTICS

MEDIAN INCOME: 1960 CENSUS; 1970 CENSUS							
Year	Families			Unrelated Individuals			
	All	White	Black	Spanish-American	All	White	Black
1960	N.A.				N.A.		
1970	\$15,600	\$15,600	N.A.	\$6,937	\$3,602	\$3,602	N.A.

1970 CENSUS: EMPLOYMENT STATUS BY RACE of Persons 16 Years of Age and Over in Labor Force									
Employment Status	Total Population		White		Black		Spanish-American		
	#	%	#	%	#	%	#	%	%
Employed	3,280	97.6	3,280	97.6			21	100.0	
Unemployed	79	2.4	79	2.4			0		
Total	3,359	100.0	3,359	100.0	0		21	100.0	



ECONOMIC CHARACTERISTICS

1970 CENSUS:								
Number of Persons in Families and Number of Unrelated Individuals with Income Less Than Poverty Level								
Family Status	Total Population		White		Black		Spanish-American	
	#	%	#	%	#	%	#	%
Persons in Families	126	58.3	126	58.3			0	
Unrelated Individuals	90	41.7	90	41.7			0	
Total	216	100.0	216	100.0	N.A.		0	

1970 CENSUS:								
Number of Related Children Under 18 in Families Below Poverty Level by Presence of Parents								
Parental Presence	Total Population		White		Black		Spanish-American	
	#	%	#	%	#	%	#	%
Living with Both Parents	46	1.2	46	1.2			0	
Other	5	0.1	5	0.1			0	
Total	51	1.3	51	1.3	N.A.		0	



METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE # 175 MEDFIELD

EDUCATIONAL CHARACTERISTICS

1970 CENSUS: COUNT OF PERSONS 25 YEARS OF AGE AND OVER BY RACE AND YEARS OF SCHOOL COMPLETED									
Level and Years of School Completed	Total Population		White		Black		Spanish-American		
	#	%	#	%	#	%	#	%	
No School	106	2.0	106	2.0	0		0		
Year Completed									
Elementary:	77	1.5	77	1.5	0		0		
1-4 years									
5-6 years	92	1.7	92	1.8	0		0		
7 years	63	1.2	63	1.2	0		0		
8 years	385	7.3	373	7.1	0		0		
High School:	542	10.3	542	10.3	0		0		
1-3 years									
4 years	1,675	31.8	1,670	31.8	0		8	25.8	
College:	943	17.9	943	18.0	0		8	25.8	
1-3 years									
4 years	858	16.3	858	16.3	0		0		
5 years or more	529	10.0	529	10.1	0		15	48.4	
Total	5,270	100.0	5,253	100.0	0		31	100.0	

MEDIAN SCHOOL YEARS COMPLETED				
Total Population	White	Black	Spanish-American	
12.6	12.6	N.A.	14.9	





METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE # 175 MEDFIELD

ECONOMIC CHARACTERISTICS

CHARACTERISTICS OF INDUSTRIAL FIRMS: 1967				
Industry	Number of Firms	Annual Payroll in \$	Average Number of Employees	Average Annual Wage in \$
Agriculture and Mining	3	32,437	10	3,244
Construction	15	643,798	85	7,574
Manufacturing	16	1,515,732	220	6,890
Transportation, Communication, and Utilities	2	87,218	21	4,153
Wholesale and Retail Trade	28	936,402	280	3,344
Finance, Insurance, Real Estate	4	44,052	4	11,013
Service Industries	16	186,624	67	2,785
Total	84	3,446,263	685	5,031



METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE # 175 MEDFIELD

ECONOMIC CHARACTERISTICS

CHARACTERISTICS OF INDUSTRIAL FIRMS: 1972					
Industry	Number of Firms	Annual Payroll in \$	Average Number of Employees	Average Annual Wage in \$	
Agriculture and Mining	2	62,149	7	8,878	
Construction	22	558,546	62	9,009	
Manufacturing	8	1,546,858	163	9,490	
Transportation, Communication, and Utilities	2	83,437	14	5,960	
Wholesale and Retail Trade	33	1,800,479	362	4,974	
Finance, Insurance, Real Estate	2	33,956	4	8,489	
Service Industries	27	947,673	167	5,675	
Total	96	5,033,098	778	6,496	

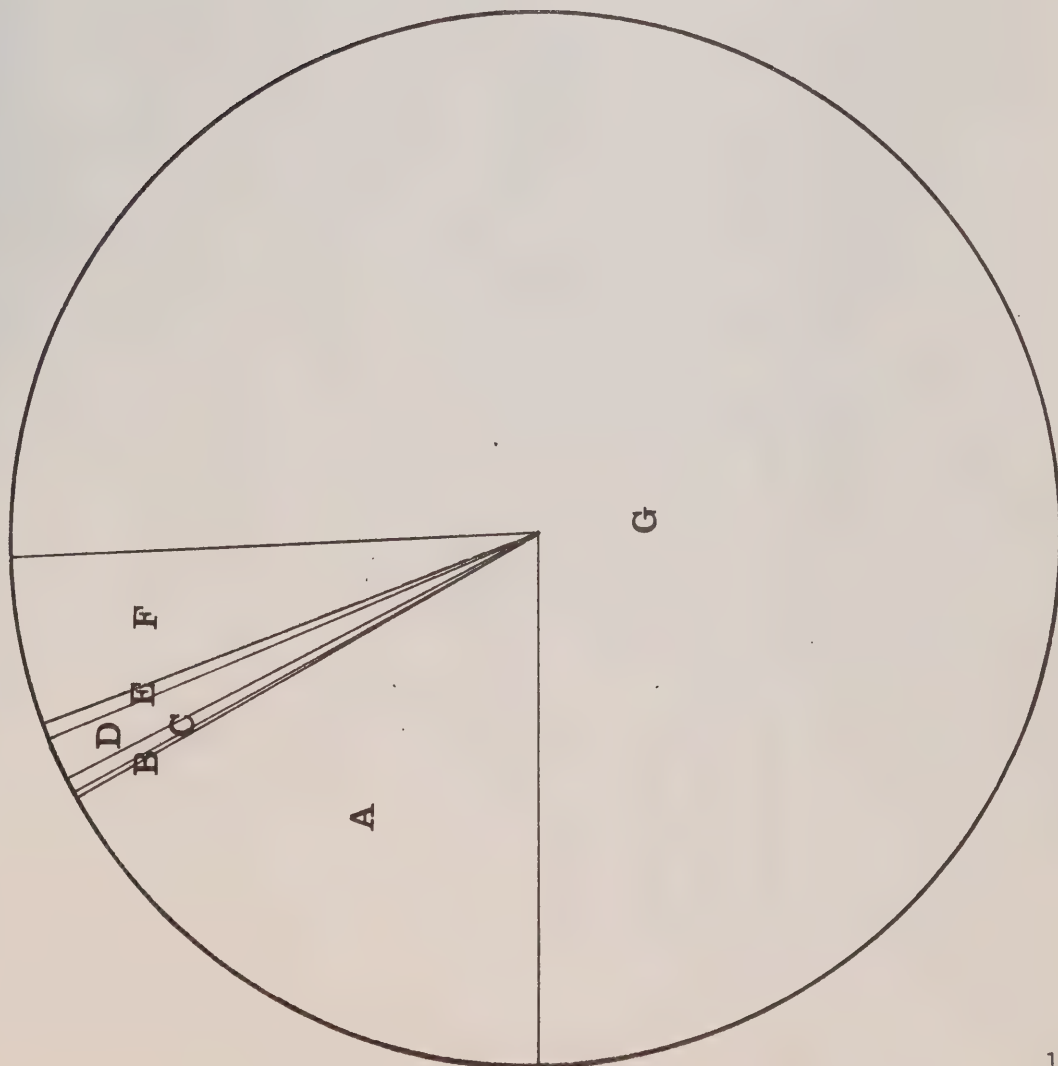




# METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE #175

1971 LAND USE PATTERN IN

## MEDFIELD



LAND USE		%
A	RESIDENTIAL	16.8
B	COMMERCIAL	0.2
C	RECREATIONAL	0.5
D	PUBLIC INSTITUTIONS	1.3
E	INDUSTRIAL	0.4
F	VACANT LAND	5.1
G	OTHER:	75.7

Transportation  
Disposal Sites, Extractive  
Agricultural and Forest  
Water and Wetlands



## HOUSING CHARACTERISTICS

[illegible]

1970 CENSUS: NUMBER OF HOUSING UNITS by Occupancy Status and Race of Head of Household								
Occupancy Status	Total		White Head of Household		Black Head of Household			
	#	%	#	%	#	%		
Owner Occupied	2,011	84.5	2,004	86.5	2	66.7		
Renter Occupied	319	13.4	313	13.5	1	33.3		
Vacant Year Round	50	2.1	Not Applicable					
Total	2,380	100.0	2,317	100.0	3	100.0		

BUILDING PERMITS ISSUED FOR NEW Dwelling Units: 1960-1971	
Year Issued	Number
1960-1964	473
1965-1970	684
1971	64
Total	1,221



METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE # 175 MEDFIELD

HOUSING CHARACTERISTICS

NUMBER OF SUBSIDIZED HOUSING UNITS BY TYPE OF UNIT BY CONSTRUCTION STATUS: 1973										
Status	Total Subsidized Units	Low Income Units			Moderate Income Units			MHFA Low-Moderate Income Units		
		Elderly	Family	Leased	Elderly	Family Homeownership	Rental Assistance	Low	Moderate	
Completed	40	40	0	0	0	0	0	0	0	
Under Construction	0									
In Planning	0									

1970 CENSUS: AGE OF HOUSING UNITS										
Year Built	Total Housing Units		Black Occupied Housing Units		Other Occupied Housing Units		Spanish-American Occupied Housing Units			
	#	%	#	%	#	%	#	%	#	%
1965-March 1970	581	24.5								
1960-1964	473	19.9								
1950-1959	452	19.0								
1940-1949	180	7.6								
1939 or earlier	689	29.0								
Total	2,375	100.0	N.A.		N.A.		N.A.		N.A.	





METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE # 175 MEDFIELD

HOUSING CHARACTERISTICS

1970 CENSUS: NUMBER OF PERSONS PER ROOM IN OCCUPIED HOUSING UNITS by Race of Head of Household						
Persons per Room	Total Occupied Units		Black Occupied Units		Other Occupied Units	
	#	%	#	%	#	%
1.00 or less	2,270	97.4				
1.01 to 1.50	49	2.1				
1.51 or more	11	0.5				
Total	2,330	100.0	N.A.		N.A.	

1970 CENSUS: Average Number of Persons per Housing Unit	
Total Occupied Housing Units	3.8
Black Occupied Housing Units	N.A.
Other Occupied Housing Units	N.A.
Spanish-American Occupied Housing Units	N.A.

1970 CENSUS: TYPE OF HOUSING STRUCTURE		
Type	# of Structures	% of Housing Units
1 Unit'	2,029	85.4
2 Units	162	6.8
3-4 Units	115	4.8
5-9 Units	40	1.7
10 or more Units	29	1.2
Mobile Home or Trailer	0	
Total	2,375	100.0



METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE # 175 MEDFIELD

HOUSING CHARACTERISTICS

1970 CENSUS: VALUE OF OWNER OCCUPIED HOUSING UNITS BY RACE OF HEAD OF HOUSEHOLD									
	Total Owner		Black Owner		Other Owner		Spanish-American		
	#	%	#	%	#	%	#	%	
Less than \$5,000	6	0.3							
\$5,000 - \$7,499	0								
\$7,500 - \$9,999	0								
\$10,000 - \$12,499	24	1.3							
\$12,500 - \$14,999	29	1.6							
\$15,000 - \$17,499	96	5.2							
\$17,500 - \$19,999	123	6.7							
\$20,000 - \$24,999	222	12.1							
\$25,000 - \$34,999	560	30.5							
\$35,000 - \$49,999	659	35.9							
\$50,000 and over	118	6.4							
Total	1,837	100.0	N.A.		N.A.		N.A.		





METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE # 175 MEDFIELD

HOUSING CHARACTERISTICS

1970 CENSUS: MONTHLY GROSS RENT BY RACE OF HEAD OF HOUSEHOLD									
Monthly Gross Rent	Total Renter Occupied Units		Black Renter Occupied Units		Other Renter Occupied Units		Spanish-American Renter Occupied Units		
	#	%	#	%	#	%	#	%	
Less than \$30	7	2.2							
\$30 - \$49	0								
\$50 - \$69	12	3.8							
\$70 - \$89	29	9.1							
\$90 - \$119	98	30.7							
\$120 - \$149	40	12.5							
\$150 - \$199	60	18.8							
\$200 - \$249	28	8.8							
\$250 - \$299	6	1.9							
\$300 or more	11	3.4							
No Cash Rent	28	8.8							
Total	319	100.0	N.A.		N.A.		N.A.		



School District # 175  
School # 005

1973-74  
School District: Medfield  
School Name: Dale Street  
No. & Street: 7 Dale  
City, State, Zip: Medfield, Mass. 02052  
Grade Organization: 3-6  
Facilities:  
Initial Construction Date: 1940  
Dates of Additions or Changes: 1963  
# Rooms, Instructional Use: 24  
# Rooms, Other Uses: 22  
TOTAL 46

1973-74	
Federal Programs	
Title I:	
Type of Program:	Reading
# of Students:	30
% School Enrollment:	
Lunch Program:	
# Students, Free:	9
# Students, Reduced Price:	0
TOTAL	9
% School Enrollment:	2.0
Bilingual Program:	
# Eligible Students:	0
% School Enrollment:	
METCO Interdistrict Program:	
# Students:	0
% School Enrollment:	

[illegible]



STUDENT ETHNIC CENSUS: 1973-74						
	Total	White	Non-white	Black	Native-American	Non-white Asian-American Spanish Surname
Number	441	440	1	1	0	0
Percent	100.0	99.8	0.2	0.2		

School District # 175  
School # 005

RACIAL CENSUS: 1967-68, 1970-71, 1972-73					
Years	Total Enrollment	White		Non-white	
		#	%	#	%
1967-1968	614	614	100.0	0	
1970-1971	439	439	100.0	0	
1972-1973	424	424	100.0	0	

RACIAL CENSUS: ENROLLMENT CHANGE 1967-1972			
	#	%	% Change in Proportional Distribution
TOTAL	-190	-30.9	
White	-190	-30.9	0.0
Non-white	0	0.0	0.0

ELIGIBLE TRANSITIONAL BILINGUAL STUDENTS: 1973-74		
Language	Number of Students	Percent of Bilingual Enrollment
TOTAL	0	
Chinese		
French		
Greek		
Italian		
Portuguese		
Spanish		
Other		





School District #175  
School #007

1973-74	
School District:	Medfield
School Name:	Ralph Wheelock School
No. & Street:	Elm
City, State, Zip:	Medfield, Mass. 02052
Grade Organization:	K-6
Facilities:	
Initial Construction Date:	1969
Dates of Additions or Changes:	
# Rooms, Instructional Use:	9
# Rooms, Other Uses:	15
TOTAL	24

1973-74	
Federal Programs	
Title I:	
Type of Program:	
# of Students:	0
% School Enrollment:	
Lunch Program:	
# Students, Free:	4
# Students, Reduced Price:	0
TOTAL	4
% School Enrollment:	0.6
Bilingual Program:	
# Eligible Students:	0
% School Enrollment:	
METCO Interdistrict Program:	
# Students:	0
% School Enrollment:	

[illegible]



STUDENT ETHNIC CENSUS: 1973-74							School District # 175 School # 007	
	Total	White	Non-white	Black	Non-white			
					Native-American	Asian-American	Spanish Surname	
Number	662	655	7	3	0	4	0	
Percent	100.0	98.9	1.1	0.5		0.6		

RACIAL CENSUS: 1967-68, 1970-71, 1972-73					
Years	Total Enrollment	White	Non-white		
		#	%	#	%
1967-1968	School Not Opened				
1970-1971	533	530	99.4	3	0.6
1972-1973	600	598	99.7	2	0.3

RACIAL CENSUS: ENROLLMENT CHANGE 1967-1972			
	#	%	% Change in Proportional Distribution
TOTAL	+600	Not Applicable	
White	+598	Not Applicable	Not Applicable
Non-white	+2	Not Applicable	Not Applicable

ELIGIBLE TRANSITIONAL BILINGUAL STUDENTS: 1973-74		
Language	Number of Students	Percent of Bilingual Enrollment
TOTAL	0	
Chinese		
French		
Greek		
Italian		
Portuguese		
Spanish		
Other		





## METROPOLITAN PLANNING PROJECT/INDIVIDUAL SCHOOL PROFILE

School District # 175	
School # 010	
1973-74	
Federal Programs	
Title I:	
Type of Program:	
# of Students:	0
% School Enrollment:	
Lunch Program:	
# Students, Free:	10
# Students, Reduced Price:	0
TOTAL	10
% School Enrollment:	2.4
Bilingual Program:	
# Eligible Students:	0
% School Enrollment:	
METCO Interdistrict Program:	
# Students:	0
% School Enrollment:	

1973-74	
School District:	Medfield
School Name:	Memorial
No. & Street:	59 Adams
City, State, Zip:	Medfield, Mass. 02052
Grade Organization:	K-3
Facilities:	
Initial Construction Date:	1953
Dates of Additions or Changes:	1956
# Rooms, Instructional Use:	21
# Rooms, Other Uses:	27
TOTAL	48

[illegible]



School District # 175  
School # 010

STUDENT ETHNIC CENSUS: 1973-74							
	Total	White	Non-white	Non-white			
				Black	Native-American	Asian-American	Spanish Surname
Number	422	419	3	0	0	2	1
Percent	100.0	99.3	0.7			0.5	0.2

RACIAL CENSUS: 1967-68, 1970-71, 1972-73					
Years	Total Enrollment	White		Non-white	
		#	%	#	%
1967-1968	461	461	100.0	0	
1970-1971	434	431	99.3	3	0.7
1972-1973	397	397	100.0	0	

RACIAL CENSUS: ENROLLMENT CHANGE 1967-1972			
TOTAL	#	%	% Change in Proportional Distribution
	-64	-13.9	
White	-64	-13.9	0.0
Non-white	0	0.0	0.0

ELIGIBLE TRANSITIONAL BILINGUAL STUDENTS: 1973-74		
Language	Number of Students	Percent of Bilingual Enrollment
TOTAL	0	
Chinese		
French		
Greek		
Italian		
Portuguese		
Spanish		
Other		



# METROPOLITAN PLANNING PROJECT/INDIVIDUAL SCHOOL PROFILE

School District # 175  
School # 405

1973-74  
School District: Medfield  
School Name: Medfield Jr. High  
No. & Street: South  
City, State, Zip: Medfield, Mass. 02052  
Grade Organization: 7-9  
Facilities:  
Initial Construction Date: 1966  
Dates of Additions or Changes:  
# Rooms, Instructional Use: 45  
# Rooms, Other Uses: 30  
TOTAL 75

1973-74  
Federal Programs  
Title I:  
Type of Program:  
# of Students: 0  
% School Enrollment:  
Lunch Program:  
# Students, Free: 12  
# Students, Reduced Price: 0  
TOTAL 12  
% School Enrollment: 1.7  
Bilingual Program:  
# Eligible Students: 0  
% School Enrollment:  
METCO Interdistrict Program:  
# Students: 0  
% School Enrollment:

STAFF ETHNIC CENSUS: 1973-74													
Professional Staff	Census		Age				Years in Present System			Position			
	#	%	Under 26	26-34	35-55	56 & Over	Under 3	3-9	10 & Over	Adminis- trators	Teachers	Teacher Aides	Other Profes- sionals
TOTAL	65	100.0	4	28	23	3	10	38	11	4	47	1	13
White	64		3	28	23	3	9	38	11	4	46	1	13
Black	0		0	0	0	0	0	0	0	0	0	0	0
Spanish Surname	0		0	0	0	0	0	0	0	0	0	0	0
Asian-American	0		0	0	0	0	0	0	0	0	0	0	0
Native-American	0		0	0	0	0	0	0	0	0	0	0	0
Other	1	2.0	1	0	0	0	1	0	0	0	1	0	0





School District # 175  
School # 405

STUDENT ETHNIC CENSUS: 1973-74					
	Total	White	Non-white	Non-white	
				Native-American	Asian-American
				Black	Spanish Surname
Number	711	711	0	0	0
Percent	100.0	100.0			

RACIAL CENSUS: ENROLLMENT CHANGE 1967-1972				
	#	%	% Change in Proportional Distribution	
TOTAL	+742	Not Applicable		
White	+742	Not Applicable	Not Applicable	
Non-white	0	Not Applicable	Not Applicable	

RACIAL CENSUS: 1967-68, 1970-71, 1972-73					
Years	Total Enrollment	White	Non-white		
		#	%	#	%
1967-1968	School Not Opened				
1970-1971	679	678	99.9	1	0.1
1972-1973	742	742	100.0	0	0

ELIGIBLE TRANSITIONAL BILINGUAL STUDENTS: 1973-74		
Language	Number of Students	Percent of Bilingual Enrollment
TOTAL	0	
Chinese		
French		
Greek		
Italian		
Portuguese		
Spanish		
Other		



## METROPOLITAN PLANNING PROJECT/INDIVIDUAL SCHOOL PROFILE

1973-74 Federal Programs		School District # 175 School # 505
Title I:		
Type of Program:		
# of Students:		0
% School Enrollment:		
Lunch Program:		
# Students, Free:		6
# Students, Reduced Price:		0
TOTAL		6
% School Enrollment:		0.9
Bilingual Program:		
# Eligible Students:		0
% School Enrollment:		
METCO Interdistrict Program:		
# Students:		0
% School Enrollment:		

1973-74	School District:	Medfield
	School Name:	Medfield Sr. High
	No. & Street:	24 Pound
	City, State, Zip:	Medfield, Mass. 02052
	Grade Organization:	10-12
	Facilities:	
	Initial Construction Date:	1959
	Dates of Additions or Changes:	
	# Rooms, Instructional Use:	34
	# Rooms, Other Uses:	20
	TOTAL	54

[illegible]





		STUDENT ETHNIC CENSUS: 1973-74							School District #175 School #505	
				Non-white						
		Total	White	Non-white	Black	Native-American	Asian-American	Spanish Surname		
Number	639	639	639	0	0	0	0	0		
Percent	100.0	100.0	100.0							

School District #175  
School #505

RACIAL CENSUS: 1967-68, 1970-71, 1972-73					
Years	Total Enrollment	White		Non-white	
		#	%	#	%
1967-1968	1104	1102	99.8	2	0.2
1970-1971	535	534	99.8	1	0.2
1972-1973	618	610	98.7	8	1.3

RACIAL CENSUS: ENROLLMENT CHANGE 1967-1972			
	#	% Change in Proportional Distribution	
		#	%
TOTAL	-486	-44.0	
White	-492	-44.6	-1.1
Non-white	+6	+300.0	+550.0

FOLLOW UP OF HIGH SCHOOL GRADUATES: 1968, 1972					
Post High School Placement	Class of				
	1968		1972		
	#	%	#	%	
4-yr. State College	17	14.8	35	24.0	
4-yr. Other College	36	31.3	28	19.2	
2-yr. State College	5	4.3	17	11.6	
2-yr. Other College	20	17.4	13	8.9	
Nurses Training	4	3.5	3	2.1	
Other Post Secondary	3	2.6	10	6.8	
Military	5	4.3	3	2.1	
Work	20	17.4	32	21.9	
Other	5	4.3	5	3.4	
TOTAL	115	100.0	146	100.0	

ELIGIBLE TRANSITIONAL BILINGUAL STUDENTS: 1973-74		
Language	Number of Students	Percent of Bilingual Enrollment
TOTAL	0	
Chinese		
French		
Greek		
Italian		
Portuguese		
Spanish		
Other		

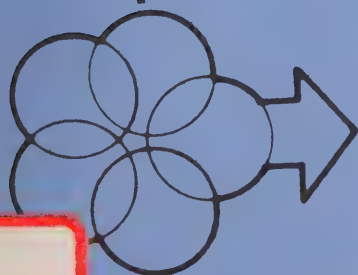


# METRO WAYS TO UNDERSTANDING

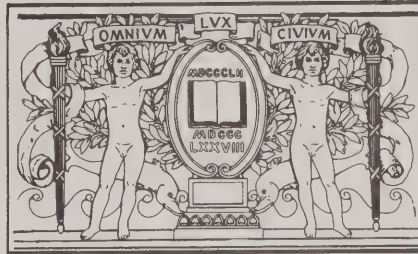
A PLAN FOR THE VOLUNTARY ELIMINATION OF  
RACIAL AND ETHNIC ISOLATION IN THE SCHOOLS  
OF THE BOSTON METROPOLITAN AREA

## VOLUME III COMMUNITY PROFILES

CITY OF  
MEDFORD



THE METROPOLITAN PLANNING PROJECT



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//METRO WAYS TO UNDERSTANDING:

A Plan for the Voluntary Elimination of  
Racial and Ethnic Isolation in the Schools of  
The Boston Metropolitan Area

VOLUME III THE COMMUNITY PROFILES

Community Profile # 176  
City of Medford

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1973-74

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## ABSTRACT

The Metropolitan Planning Project is a collaborative effort of 17 school districts supported by an additional 39 approving school districts within the Boston Metropolitan Area. Its mandate is to develop a Ten Year Plan for the phased elimination of racial and ethnic isolation in the area's schools through voluntary school district collaboration. The Project is funded by the U.S. Office of Education under the Emergency School Aid Act of 1972.

METROWAYS TO UNDERSTANDING: A Plan for the Voluntary Elimination of Racial and Ethnic Isolation in the Schools of the Boston Metropolitan Area is a phased Ten Year Plan which is a result of the process that the Metropolitan Planning Project has undergone during this year of planning. The Project has worked to achieve effective community participation in an effort to design quality learning environment programs for students. As a result of a city and suburban exchange of ideas, the Metropolitan Planning Project has helped to promote the development of over 78 proposals in 32 cities and towns for the design of new innovative learning environments. With a \$300,000 allocation for pilot programming, 14 pilot projects were funded to test MPP objectives. The projects included students from pre-kindergarten through high school age. The focus ranged from American history, art, ecology, energy, comparative life styles to Afro-American, Hispanic, Native-American, and Chinese-American cultures.

The Project has also compiled extensive data on the educational, demographic, housing, fiscal, socio-economic, land use and ethnic and racial characteristics of the 78 towns and cities in the greater Boston standard metropolitan statistical area (SMSA). This information was developed as a needs analysis and resource inventory and has been utilized in the development of the recommended educational programs. It provides the basis for program implementation. The Ten Year Plan METROWAYS TO UNDERSTANDING is aimed at promoting voluntary collaboration between urban and suburban school districts and includes the involvement of students, parents, teachers, school principals, superintendents, community organizations and others concerned with education.

During the 1974-75 school year, the Metropolitan Planning Project will pilot some of the policy recommendations developed through this participatory planning process. These recommendations include:

METROPATHWAYS - Quality innovative educational programs which will be accessible to secondary school students of different socio-economic, racial, and ethnic background within the metropolitan area by utilizing mass transit routes.

METROPAIRWAYS - Parents and school personnel from pairs or triads of city and suburban districts will meet to formulate educational programs of equal benefit to the students. Learning centers will be developed in two or three schools and each will serve as a supplement to the educational quality of each individual school.

METROETHNIC HERITAGE RESOURCE CENTERS - These will be coordinated within METROCENTER and will promote the study, compilation, production and distribution of materials and information related to minorities and ethnic groups of the SMSA. It will also be an action program for the development of other resource centers in the metropolitan area.

METROCENTER FOR COMMUNICATIONS, COUNSELLING, AND RESOURCE DEVELOPMENT - This center will coordinate the metropolitan educational programs and serve as an information and resource "bank" for students, parents, community groups and educators throughout the metropolitan area who wish to be involved in urban-suburban educational programs and staff development programs aimed at eliminating racial and ethnic isolation of students.



#### ACKNOWLEDGEMENT

I wish to thank Dr. Forbes Bottomly for his encouragement and support of this research approach; Edward Feinman and Leslie S. May who, together with the Support Research Staff and myself, developed the analyses in Volume II RESOURCES FOR IMPLEMENTATION and Volume III COMMUNITY PROFILES. Our grateful appreciation to Mrs. Helen Taggart who formatted and typed the research materials.

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## INTRODUCTION TO THE NOTES AND SOURCES FOR THE COMMUNITY PROFILES

The Community Profiles were developed for the 78 municipalities that comprise the study area of the Metropolitan Planning Project (MPP). The study area is defined as the 1963 Boston standard metropolitan statistical area (SMSA) boundaries. The Profiles were prepared to meet the mandate of Objective B of the Support Research component of the MPP proposal. This mandate is:

To develop profiles and analysis of social, ethnic, economic, and educational characteristics of the metropolitan area and of its individual communities.

The purpose of these profiles are to serve as the data base for the Ten Year Plan and to develop information for the implementation of educational programs through the analyses of the interaction between the education system and related urban functional systems.

A Community Profile was developed for each of the following cities and towns:

Arlington	Lexington	Randolph
Ashland	Lincoln	Reading
	Lynn	Revere
Bedford	Lynnfield	Rockland
Belmont		
Beverly	Malden	Salem
Boston	Manchester	Saugus
Braintree	Marblehead	Scituate
Brookline	Marshfield	Sharon
Burlington		Sherborn
	Medfield	Somerville
Cambridge	Medford	Stoneham
Canton	Melrose	Sudbury
Chelsea	Middleton	Swampscott
Cohasset	Millis	
Concord	Milton	Topsfield
Danvers	Nahant	Wakefield
Dedham	Natick	Walpole
Dover	Needham	Waltham
Duxbury	Newton	Watertown
	Norfolk	Wayland
Everett	North Reading	Wellesley
	Norwell	Wenham
Framingham	Norwood	Weston
		Westwood
Hamilton	Peabody	Weymouth
Hanover	Pembroke	Wilmington
Hingham		Winchester
Holbrook	Quincy	Winthrop
Hull		Woburn

There are also Profiles for each of the following regional school districts:

Dover-Sherborn  
Experimental School System of the Commonwealth of Massachusetts  
Hamilton-Wenham  
Lincoln-Sudbury  
North Shore Regional Vocational

The information in the Community Profiles assess the needs and resources of each community. It is helpful in planning for the future of each school system as well as in the development of educational curricula and programs. These will utilize school and community based resources for metropolitan educational programs for the elimination of racial and ethnic student isolation in the school districts of the SMSA. More detailed analyses of each of these communities, including a series of tables comparing these school districts and an "Analyses of Grouped Communities", are found in earlier Volumes.

These notes were prepared so that persons interested in obtaining further detailed information or in updating present data can easily do so. The source of the information and where it is located is given for each table. Non-classified government information is available by public law to all persons. This includes individual public school records as well as municipal, county, state, and federal data.

There are two sections of the Community Profiles. The first section, Community Profiles, displays educational and educational-related information about the community. The second section, Individual School Profiles, displays educational information about each individual school in the district. The page number at the beginning of a table corresponds to the page number of the Community Profile. Each Individual School Profile is 2 pages and notes for the tables are consistent with this format.

## NOTES AND SOURCES FOR THE COMMUNITY PROFILES

### EDUCATIONAL CHARACTERISTICS

#### PAGE 1 - NUMBER OF SCHOOLS AND ENROLLMENT

By Type of School: 1973-74

The information on the total number of schools in a school district, as well as the number of Elementary, Junior High, High Schools, Special and Ungraded, Regional, and Vocational Schools in a district, were obtained from the Massachusetts State Department of Education, Bureau of Educational Information Services, Massachusetts School Directory 1973-74. This publication lists the name, address, and grade organization of each school in the Commonwealth. It notes which schools are Special, Ungraded, Regional, or Vocational. Elementary Schools are those schools composed of one or all the grades K through 5 or grades K through 6. Junior High Schools are those schools composed of one or all the grades 6 through 8; schools with grades 5-6, 5-7, 5-8, and 7-9 are counted as Junior High Schools. High Schools are those schools composed of one or all of the grades 9 through 12.

The "Total", "White", and "Non-white" enrollments for each type of school were obtained from a survey conducted by the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Enrollment by Classification, Exhibit II, 1973-74. The enrollments for all Elementary Schools, Junior High Schools, High Schools, Special and Ungraded Schools, Regional Schools, and Vocational Schools in a school district which is recorded in this table were totalled by the Metropolitan Planning Project (MPP) support research staff.

#### PAGE 1 - SCHOOL ATTENDING CHILDREN IN PUBLIC and Non-public Schools

This information was obtained from the Commonwealth of Massachusetts, Annual Report of the State Department of Education for the Year Ending June 30, 1968; Annual Report ... June 30, 1971; and Annual Report ... June 30, 1973. The percentage of "Public" and "Non-public" school attending children were calculated by the MPP support research staff.

#### PAGE 1 - EDUCATIONAL COLLABORATIVE PARTICIPATION 1973-74

The educational collaboratives listed in this table were found in the following sources:



The Massachusetts State Department of Education, Bureau of Educational Information Services, Massachusetts School Directory, 1973-74; Institute for Educational Services, Inc., "Survey on Collaboration", 1971; Metropolitan Planning Project Support Research Component Telephone Survey, 1974; Massachusetts State Department of Education, Division of Curriculum and Instruction, Kaleidescope 7, 1973,

Other educational collaboratives in the Boston metropolitan area were not available from these sources.

PAGE 1 - 1970 CENSUS: SCHOOL ENROLLMENT FOR  
Level and Type of School by Race  
(Population 3 - 34 years)

This information was obtained from the United States Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing. U.S. Census information is available in published monographs, which are available at libraries and governmental agencies, and on computer tapes. The data on computer tape is organized into sequences and each sequence is referred to as a "count". Within each "count", the data is subdivided into tables, and each table has been given a number and title. The information in this table was obtained from the 4th Count Population Summary Tapes for Massachusetts, Table 38, "Population 3 Years Old and Over Enrolled in School by Level and Type of School." This information was based on a 15 percent sample survey. The percentages may not add up to 100 percent because of rounding. An N.A. indicates that this information was not available for the school district. The "Spanish-American" category includes people who are both "White" and "Black" according to the Census definition so that the total of the "White", "Black" and "Spanish-American" columns will never equal the "Total" population column.

PAGE 1 - FEDERALLY-FUNDED PROGRAMS: 1973-74

The information on Title I students in each school district was obtained from the Massachusetts State Department of Education, Division of Curriculum and Instruction, Bureau of Curriculum Services, Title I ESEA, "Unpublished Title I Program Documents, 1973-74". The Title III information was obtained from the Massachusetts State Department of Education, Division of Curriculum and Instruction, Bureau of Curriculum Services, Title III ESEA, Kaleidescope 7, 1973 and the Metropolitan Planning Project support research staff telephone survey of Title III Program Directors, July-August, 1974. The percent total enrollment was calculated by dividing the number of students in Title I and III programs by the total number of students in the district during the 1973-74 school year. The total number of students was obtained from the Massachusetts

State Department of Education, Division of Research, Planning, and Evaluation, Enrollment by Classification, Exhibit II, 1973-74. This is the same total that appears in the "Student Ethnic Census: 1973-74" table on page 2.

The Title I and Title III programs are funded by the U.S. Office of Education and were enacted by the U.S. Congress as part of the 1965 Elementary and Secondary Education Act (ESEA). The Title I program provides assistance for "educationally deprived and neglected and delinquent children." The Title III program "supports proposals to advance creativity in education."

#### PAGE 2 - RACIAL CENSUS: 1967-68; 1970-71; 1972-73

The information on the "Total", "White", and "Non-white" enrollments for these three school years was obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Racial Census, October, 1967; Racial Census, October, 1970; and Racial Census, October, 1972. The Racial Census does not indicate which students were considered "White" and which were considered "Non-white".

#### PAGE 2 - RACIAL CENSUS: ENROLLMENT CHANGE 1967-1972

These figures were calculated from the previous table by the MPP support research staff. The figures under the number sign (#) column were calculated by subtracting from the "Total", "White" or "Non-white" enrollment for the 1972-73 school year the "Total", "White" or "Non-white" enrollment for the 1967-68 school year. For example, if the 1972-73 total enrollment was 100 students and the 1967-68 enrollment was 50 students, the enrollment change would be +50(100-50) and this figure would appear in the appropriate box. The figures under the percent (%) column were derived by dividing the difference between the 1972-73 and 1967-68 enrollment by the 1967-68 enrollment. If the difference, for example, between the 1972-73 and 1967-68 enrollments was +50 and the 1967-68 enrollment was 50, the percent change would be +100 (+50/50). The figures under the "% Change in Proportional Distribution" column were calculated as follows:

The "% White" (or "% Non-white") for 1972-73 was subtracted from the "% White" (or "% Non-white") for 1967-68.

This difference was divided by the "% White"(or "% Non-white") for 1967-68 and this is the figure that was recorded. For example, if the "% White" in 1967-68 was 75% and the "% White" in 1972-73 was 50%, the "% Change in Proportional Distribution" would be calculated as follows:  
$$(50-75)/75 = (-25)/75 = -0.33.$$

Since the percent "Total Enrollment" is always 100%, no "% Change in Proportional Distribution" was calculated or recorded for "Total Enrollment". If there is a percent change from 0 to any number the "% Change in Proportional Distribution" is mathematically undefined. This is noted by the word "Undefined".

PAGE 2 - STUDENT ETHNIC CENSUS: 1973-74

This information was obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Enrollment by Classification, Exhibit II, 1973-74. The figures in the "White" column include white students and students of racial backgrounds other than "Black", "Native-American", "Asian-American", and "Spanish Surname". "Spanish Surname" students were placed in the "Non-white" category.

PAGE 2 - FOLLOW-UP OF HIGH SCHOOL GRADUATES: 1968; 1972

The information on the post high school placement of 1968 graduates was obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Distribution of Graduating Class, 1969. The number of students in each of the various placement categories may not equal the total number of high school graduates because information on all placements was not available. Some of the school districts are members of regional high schools so that information on their high school students would be included in the regional high school data. There is, therefore, no information recorded for the following school districts (the name of the regional high school their students attend is in parentheses):

Concord (Concord-Carlisle Regional High School)  
Dover (Dover-Sherborn Regional High School)  
Hamilton (Hamilton-Wenham Regional High School)  
Lincoln (Lincoln-Sudbury Regional High School)  
Middleton (Masconomet Regional High School)  
Nahant (all Nahant high school students attend high schools in Lynn)  
Norfolk (King Philip Regional High School)  
Sherborn (Dover-Sherborn Regional High School)  
Sudbury (Lincoln-Sudbury Regional High School)  
Topsfield (Masconomet Regional High School)  
Wenham (Hamilton-Wenham Regional High School)

If there was no information available on high school graduates in a particular district, this is noted by an N.A. in the first column (under the # sign). The information on the 1972 graduates was obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Distribution of High School Graduates, Class of 1972, Fall 1973. The districts which sent their high school students to regional schools in 1968 remained the same and, therefore, no information on 1972 high school graduates for these districts is recorded. In addition to these districts, there will be no information for Pembroke since their high school students now attend Silver Lake Regional High School. The percentages in the 1972 column may not add up to 100% because of rounding.



PAGE 2 - ELIGIBLE TRANSITIONAL BILINGUAL STUDENTS: 1973-74

The number of students eligible for a transitional bilingual program was obtained from the Massachusetts State Department of Education, Bureau of Transitional Bilingual Education, Census of Children of Limited English Speaking Ability on October 1, 1973, under Chapter 71A, Act of 1971. This Census of all public school students is conducted each year in order to determine how many students are of limited English speaking ability as defined in Chapter 71A and, thus, eligible for transitional bilingual classes. The "Percent of Bilingual Enrollment" was calculated by the MPP support research staff by dividing the number of students in each language category, such as "Chinese" or "French" by the "Total" number of eligible bilingual students.

PAGE 3 - PUBLIC SCHOOL STUDENT ENROLLMENTS: 1964 - 1982

Past Enrollments: 1964 - 1972

Projected Enrollments: 1973 - 1982

This information was prepared for the Metropolitan Planning Project by the Organization for Social and Technical Innovation, Inc. (OSTI).

These enrollment projections are based on time-series enrollment data from 1964 through 1972, obtained from the Massachusetts State Department of Education, Division of Research, Planning and Evaluation. The source of the historical enrollment data for the forecast categories "Total K-12", "Total K-6", "Total 7-12", "White K-12" and "Non-white K-12" was the superintendent's report entitled Census Report.

The numbers in parentheses under each forecast category represents the  $R^2$  (coefficient of determination) for that particular projected enrollment series. It is presented to indicate a rough sense of the reliability of each forecast --  $R^2$ 's of .8 or .9 are very reliable,  $R^2$ 's of .5, .6, or .7 are good, and  $R^2$ 's of .4 or less are unreliable. When the projections for subcategories (for example, "White K-12" and "Non-white K-12" are subcategories of "Total K-12") are totaled, they do not necessarily equal the projected enrollment figures for the total category. This is because each forecast category was projected independently from the others and the projections selected are not necessarily each derived from the same mathematical equation, since the best projection was selected for each forecast category largely independent of the projections selected for other forecast categories.

School districts with no projections presented or particular forecast categories left blank means the projection here was entirely unsuccessful, sometimes for mathematical reasons, sometimes because of missing years of historical data, and sometimes because of almost certain incorrect historical enrollment data.

PAGE 4 - NUMBER OF TEACHERS BY RACE: 1972-73

This information was obtained from the U.S. Department of Health, Education, and Welfare, Office for Civil Rights, Directory of Public Elementary and Secondary

Schools in Selected Districts, Enrollment and Staff by Racial/Ethnic Group, Fall, 1974. Since this information was collected from selected school districts, data was only available for 68 of the 83 Boston metropolitan area districts. MPP support research staff contacted the remaining districts to complete the survey. The following school districts provided this information:

Cohasset  
Dover  
Dover-Sherborn Regional High School  
Experimental School System of the Commonwealth of Massachusetts  
Hamilton-Wenham Regional High School  
Holbrook  
Manchester  
Nahant  
Topsfield  
Wenham

An N.A. indicates that this information was not available for the school district. Spanish Surname teachers were placed in the "Non-white" category.

PAGE 4 - NUMBER OF TEACHERS, TEACHER-AIDES, AND OTHER PROFESSIONAL STAFF: 1973-74

This information was obtained from the U.S. Equal Employment Opportunity Commission, Elementary-Secondary Staff Information (EEO-5), October 1, 1973. Since this information was collected on a selected school district basis, the MPP support research staff surveyed the remaining districts to obtain this information. The following school districts provided this information:

Ashland  
Beverly  
Braintree  
Cohasset  
Experimental School System of the Commonwealth of Massachusetts  
Framingham  
Hamilton-Wenham Regional High School  
Manchester  
Medfield  
Medford  
Middleton  
Millis  
Nahant  
Norfolk  
Pembroke  
Saugus  
Sherborn  
Sudbury  
Topsfield  
Walpole



The "Other Professional Staff" category include the following staff positions: Officials, Administrators, Managers, Principals, Assistant Principals, Guidance Personnel, Psychologists, Librarians, Supervisors of Instruction, and all other professional staff. An N.A. indicates that this information was not available for the school district.

#### PAGE 5 - SELECTED FINANCIAL CHARACTERISTICS

The information on "% Municipal Tax Dollar Spent on Education" was obtained from the Commonwealth of Massachusetts, Annual Report of the Department of Education for the Year Ending June 30, 1968; Annual Report ... June 30, 1971; Annual Report ... June 30, 1973.

The "% Municipal Tax Dollar Spent on Education" was calculated by the MPP support research staff by dividing the school tax rate by the general tax rate. For example, if the school tax rate in a town was \$24 and the total tax rate was \$48, the "% Municipal Tax Dollar Spent on Education" would be 50% (24/48).

The information on "Comprehensive Per Pupil Expenditure" was obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Per Pupil Expenditures 1967-68; Per Pupil ... 1970-71; Per Pupil ... 1972-73. This per pupil expenditure is the integrated per pupil cost for the Regular Day, Vocational Day, and Special Education Programs and pro-rated Regional School Expenditures divided by the average membership of students in those programs.

The information on "Public School Attending Children Transported at Public Expense" was obtained from the Commonwealth of Massachusetts, Annual Report of the Department of Education for the Year Ending June 30, 1968; Annual Report ... June 30, 1971; Annual Report ... June 30, 1973. Discrepancies may appear in this table because the data received was unaudited.

The information on "Computative Equalized Property Valuation per School Attending Child" was obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, School Aid to Massachusetts Cities and Towns, (Chapter 70 Amended), 1967-68; School Aid ... 1970-71; School Aid ... 1972-73. Computative equalized property valuation for any one year is equal to the equalized property valuation the previous calendar year divided by the number of school attending children for that school year. For example, the computative equalized valuation for 1967-68 is derived by dividing the equalized property valuation for 1966 by the number of school attending children for 1967-68.

#### PAGE 5 - TAX RATE

This information was obtained from the Massachusetts Teachers Association, Background Data for Massachusetts School Districts 1973, Research Bulletin 734-9, 1973. The official tax rate is equal to a city or town's budget needs divided by the assessed value (tax rate=budget needs/assessed value). The equalized

tax rate is equal to the town's budget needs divided by the true market value of property in a city or town, as determined by the Massachusetts Department of Corporations and Taxation (equalized tax rate=budget needs/full market value). The tax rate indicates the number of dollars per \$1,000 of assessed valuation a person or corporation would be taxed on property owned.

PAGE 5 - SCHOOL TAX RATE

This information was obtained from the Massachusetts Teachers Association, Background Data for Massachusetts School Districts 1973, Research Bulletin 734-9, 1973. The official school tax rate is equal to a city or town's school budget needs divided by the assessed value (school tax rate=school budget needs/assessed value). The equalized school tax rate is equal to the town's school budget needs divided by the true market value of property in a city or town, as determined by the Massachusetts Department of Corporations and Taxation (equalized school tax rate=school budget needs/full market value). The school tax rate indicates the number of dollars per \$1,000 of assessed valuation a person or corporation would be taxed on property owned.

PAGE 5 - 1973 MOODY'S BOND RATING

This information was obtained from Moody's Investor Service, Moody's Bond Record, December 1973. The bonds were rated by Moody's Investor Service in the following order, with the first rating assigned to the bonds judged to be of highest quality and the last rating assigned to bonds judged to be of lowest quality:

Aaa	Baa	Caa
Aa	Ba	Ca
A	B	C

The bonds in the A and Baa groups which Moody's determined had the strongest investment attributes were designated by the symbols A-1 and Baa-1.

PAGE 5 - PUBLIC SCHOOL STUDENTS  
Receiving Subsidized Lunches: 1973-74

This information was obtained from the Massachusetts State Department of Education, Bureau of Nutrition Education and School Food Services Education, "Average Number of Lunches Served to Needy". The figures in this table was calculated by taking the number of needy students served lunches in a school during the month of January, 1974 and dividing this number of the number of days schools were opened that month. The average number of lunches served per day in each school were totalled by the MPP support research staff to develop the school district totals.

The "% of Total Enrollment" was calculated by dividing the number of lunch program students by the 1973-74 total school district enrollments obtained from the Massachusetts State Department of Education, Division of Research, Planning and Evaluation, Enrollment by Classification, Exhibit II, 1973-74.

PAGE 5 - STUDENTS ENROLLED IN METCO

The information on the number of METCO (Metropolitan Council for Educational Opportunities, Inc.) students during the 1967-68 school year was obtained from the Massachusetts State Department of Education, Bureau of Equal Education Opportunity, "Recommendations for Funding of Plans Submitted Under Chapter 506 of the Acts of 1966," 1968. The 1970-71 information was obtained from the Massachusetts State Department of Education, Bureau of Equal Educational Opportunity, "Fiscal Report, METCO 1970-71 Program". The 1972-73 information was obtained from the Massachusetts State Department of Education, Bureau of Equal Educational Opportunity, "Memorandum to Rae Cecilia Kipp [Chairman, State Board of Education] from Charles L. Glenn and Cecilia M. DiBella, August 22, 1972. Subject: METCO Program for 1972-73." The information for the 1973-74 school year was obtained from the METCO files "Unpublished Student Enrollment Records", August, 1974. This information was obtained on a school by school basis; the schools figures were totalled by the MPP support research staff to develop the school district totals.

The "% of Total Enrollment" for the 1967-68; 1970-71; and 1972-73 school years were calculated by dividing the number of METCO students by the total number of students for that particular year. The total number of students for those school years were obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Racial Census, October, 1967; Racial ... 1970; Racial ... 1973. The "% of Total Enrollment" for the 1973-74 school year was calculated by dividing the "% METCO Students" by the 1973-74 district enrollments obtained from the Massachusetts Department of Education, Division of Research, Planning and Evaluation, Enrollment by Classification, Exhibit II, 1973-74. METCO is a state funded interdistrict transfer program which transports children from Boston to suburban school districts.

PAGE 6 - PERCENT DISTRIBUTION OF SCHOOL REVENUES: 1967-68; 1970-71; 1972-73

This information was obtained from the Commonwealth of Massachusetts, Annual Report of the Department of Education for the Year Ending June 30, 1968; Annual Report ... June 30, 1971; Annual Report ... June 30, 1973. The percentages were calculated by the MPP support research staff. The percentages may not add up to 100 percent because of rounding.

PAGE 6 - ABSOLUTE DOLLAR AND PERCENT CHANGES IN REVENUES: 1967-72

These figures were calculated from the previous table. The dollar (\$) "Changes in Public School Funds Provided 1967-72" were calculated by subtracting the 1972-73 dollar amounts for "Total Funds Provided", "Local Sources", and remaining categories from the 1967-68 dollar amounts. For example, if the total public school funds provided in 1972-73 were \$100,000 and the funds provided in 1967-68 were \$50,000, the absolute dollar change in revenues would be \$50,000 (\$100,000-\$50,000). The percent changes in revenues was calculated by dividing the difference



between the 1972-73 and 1967-68 funds provided by the 1967-68 amount. For example, if the 1972-73 total funds provided were \$100,000 and the 1967-68 funds provided were \$50,000, the percent "Change in Funds Provided" would be equal to  $(\$100,000 - \$50,000) / \$50,000 = \$50,000 / \$50,000 = +100\%$ . If there were no funds provided during 1967-68 for any of the categories, the percent change in revenues is mathematically undefined. This is noted by the word Undefined.

#### PAGE 6 - PERCENT CHANGE IN PROPORTIONAL DISTRIBUTION OF REVENUES: 1967-72

These figures were calculated from the first table on page 6. The "Percent Change in Proportional Distribution of Revenues" was derived as follows:

The percent of revenues from "Local Sources", "Commonwealth Sources", and remaining categories for the 1967-68 school year was subtracted from the 1972-73 school year figures then this difference was divided by the percent "Local Sources", "Commonwealth Sources", and remaining categories for the 1967-68 school year.

For example, if the percent of revenues from local sources in 1967-68 were 50% and the percent of revenues from local sources in 1972-73 were 75%, the "Percent Change in Proportional Distribution of Revenues: 1967-72" would equal  $(75-50)/50 = 25/50 = +50\%$ . If there is a percent change from 0 to any number, the "Percent Change in Proportional Distribution" is mathematically undefined. This is noted by the word Undefined.

#### PAGE 7 - PERCENT DISTRIBUTION OF SCHOOL EXPENDITURES: 1967-68; 1970-71; 1972-73

This information was obtained from the Commonwealth of Massachusetts, Annual Report of the Department of Education for the Year Ending June 30, 1968; Annual Report ... June 30, 1971; Annual Report ... June 30, 1973. The percentages were calculated by the MPP support research staff. The percentages may not add up to 100 percent because of rounding.

#### PAGE 7 - ABSOLUTE DOLLAR AND PERCENT CHANGES IN EXPENDITURES: 1967-72

These figures were calculated from the previous table. The dollar (\$) "Changes in Public School Funds Expended 1967-72" were calculated by subtracting the 1972-73 dollar amounts for "Total Public School Funds Applied", "Administration", and remaining categories from the 1967-68 dollar amounts. For example, if the "Total Public School Funds Applied" in 1972-73 were \$100,000 and the funds applied in 1967-68 were \$50,000, the absolute dollar change in expenditures would be \$50,000  $(\$100,000 - \$50,000)$ . The percent changes in expenditures was calculated by dividing the difference between the 1972-73 and 1967-68 funds expended by the 1967-68 amount. For example, if the 1972-73 total funds expended were \$100,000 and the 1967-68 funds expended were \$50,000, the percent "Changes in Public School Funds Expended" would be equal to  $(\$100,000 - \$50,000) / \$50,000 = \$50,000 / \$50,000 = +100\%$ . If there were no funds provided during 1967-68 for any of the categories, the percent change in expenditures is mathematically undefined. This is noted by the word Undefined.

PAGE 7 - PERCENT CHANGE IN PROPORTIONAL DISTRIBUTION OF EXPENDITURES: 1967-72

These figures were calculated from the first table on page 7. The "Percent Change in Proportional Distribution of Expenditures" was derived as follows:

The percent of expenditures from "Administration", "Instruction", and remaining categories for the 1967-68 school year was subtracted from the 1972-73 school year figures. Then this difference was divided by the percent "Administration", "Instruction", and remaining categories for the 1967-68 school year.

For example, if the percent of expenditures for "Administration" in 1967-68 were 50% and the percent of expenditures for "Administration" in 1972-73 were 75%, the "Percent Change in Proportional Distribution of Expenditures: 1967-72" would equal  $(75-50)/50 = 25/50 = +50\%$ . If there is a percent change from 0 to any number, the "Percent Change in Proportional Distribution of Expenditures" is mathematically undefined. This is noted by the word Undefined.

PAGE 8 - 1970 CENSUS: COUNT OF PERSONS 25 YEARS OF AGE AND OVER BY RACE AND YEARS OF SCHOOL COMPLETED.

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 42, "Population 25 Years Old and Over by Years of School Completed and Sex". This information was based on a 20% sample survey. The "Spanish-American" category includes people who are both "White" and "Black" according to the Census definition so that the total of the "White", "Black" and "Spanish-American" columns will never equal the "Total Population" column. The "White" and "Black" figures may not equal the "Total Population" column because they do not include people of other racial backgrounds such as Asian-American and Native-American.

PAGE 8 - MEDIAN SCHOOL YEARS COMPLETED

This information was calculated from the previous table, "1970 Census: Count of Persons 25 Years of Age and Over by Years of School Completed". This calculation was performed by the Massachusetts Institute of Technology (M.I.T.) Information Processing Center.

DEMOGRAPHIC CHARACTERISTICS

PAGE 9 - CENSUS POPULATION BY RACE AND SPANISH LANGUAGE: 1960; 1970

The information on the 1960 population was obtained from the U.S. Department of Commerce, Bureau of the Census, 1960 Census of Population, Volume I, Characteristics of the Population, Part 23, Massachusetts, Tables 21, 25. This monograph



is available at libraries and governmental agencies. The "Asian-American" category includes only Chinese, Japanese, and Filipino. The percentages may not add up to 100 percent because of rounding.

The 1970 population figures were obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population, General Social and Economic Characteristics, Massachusetts, PC (1) - C23, Tables 81, 102 and 1970 Census of Population, General Population Characteristics, Massachusetts, PC (1) - B23, Tables 23, 27, 31. The "Asian-American" category includes only Chinese, Japanese and Filipino. The "Other" category includes Hawaiians, Koreans, Aleuts, Eskimos, Malaysians, and Polynesians. The "Spanish Language" data was obtained from the 1970 U.S. Census "Persons of Spanish Language" category. Persons of "Spanish Language" were not considered a distinct racial group by the U.S. Bureau of the Census and were, therefore, not distributed in the "White" or "Non-white" categories. An N.A. indicates that this information was not available for the school district. The percentages may not add up to 100 percent because of rounding.

The "1960-1970 Increase (+) Decrease (-)" figures were calculated by the MPP support research staff from the data in the first two rows of this table. The increase or decrease in the number (#) columns were derived by subtracting the 1970 population figures from the 1960 figures.

The increase or decrease in the percent (%) column were calculated by dividing the difference between the 1970 and 1960 population figures by the 1960 figures.

The "% Change in Proportional Distribution" was calculated as follows:  
The "% White", "% Non-white" and percentages for the other columns for 1970 were subtracted from the 1960 percentages. This difference was divided by the 1960 percentages and this is the figure that was recorded.

#### PAGE 9 - CENSUS POPULATION INCREASE OR DECREASE: 1960-1970

This information was obtained from the Massachusetts Department of Commerce and Development, Massachusetts Population 1970-1965-1960 and Population Movements in Massachusetts 1960-1970.

#### PAGE 9 - CENSUS: FERTILITY RATIO BY RACE

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 44, "Females 15-44 Years Old by Marital Status, Number of Children and Age". This ratio tells how many children, on the average, a woman between the ages of 15 and 44 had in 1970. For example, a fertility ratio of 1.35:1 indicates that for that city or town (and for that racial grouping) the average number of children a woman between 15 and 44 would have would be 1.35. An N.A. indicates that this information was not available for the school district.

PAGE 10 - 1970 CENSUS:  
Household Population by Race

The information on "Total Population" was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Second Count Summary Tapes for Massachusetts, Table 1, "Race and Sex". The information on "Population in Households" was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Second Count Summary Tapes for Massachusetts, Table 3, "Household Population by Age, Race and Sex". An N.A. indicates that this information was not available for the school district. The U.S. Bureau of the Census defines people who live in households as those people who occupy a group of rooms or a single room which constitutes a housing unit. All living arrangements other than households are classified as group quarters. Persons living in group quarters include, for example, those who are inmates of institutions and those living in rooming and boarding houses, communes or military barracks.

PAGE 10 - 1970 CENSUS:  
Number of Families by Sex of Family Head

The information on the number of families headed by females was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 75 "Family Income". The number of families headed by males was calculated by the MPP support research staff by subtracting the number of female headed families from the total number of families. This information was based on a 20 percent sample survey. The U.S. Bureau of the Census defines a family as a household head and one or more other persons living in the same household who are related to the head by blood, marriage, or adoption. The "White" and "Black" figures may not equal the "Total Population" because they do not include people of other racial backgrounds such as Asian-American and Native-American.

PAGE 10 - 1970 CENSUS: AGE DISTRIBUTION BY RACE

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Second Count Summary Tapes for Massachusetts, Table 2, "Single Years of Age, Race, and Sex". The percentages were calculated by the MPP support research staff. The percentages may not add up to 100 percent because of rounding. An N.A. indicates that this information was not available for the school district.

PAGE 11 - 1970 CENSUS: NATIVITY AND PARENTAGE

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 21, "Nativity and Parentage". This information was based on a 15 percent sample survey. A "Native of Native Parent"

is a person born in the United States, the Commonwealth of Puerto Rico or an outlying area of the United States whose parents were also born in the United States. "Foreign Stock" includes U.S. citizens who were foreign born as well as those people who were born in the U.S. but had one or more foreign born parents ("Foreign or Mixed Parentage"). The "Spanish-American" category includes people who are both "White" and "Black" according to the Census definition so that the total of the "White", "Black" and "Spanish-American" columns will never equal the "Total Population" column.

PAGE 11 - 1970 CENSUS: MOST FREQUENT COUNTRY  
of Origin of Foreign Stock

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 22, "Country of Origin and Nativity". This information was based on a 15 percent sample survey. This table indicates the country of origin of the foreign stock population (foreign born and native of foreign or mixed parentage) in a city or town, with the information presented separately for foreign born and native of mixed parentage. These figures were totalled by the MPP support research staff to arrive at the number of persons recorded for each of the countries listed in this table. The countries listed are those which have the largest number of former citizens presently U.S. citizens residing in this community. The percent foreign stock population was calculated by dividing the number of foreign stock citizens from a particular country by the total number of foreign stock residents in that city or town. The total number of foreign stock residents was obtained from the previous table, "1970 Census: Nativity and Parentage".

PAGE 11 - 1970 CENSUS: SPANISH POPULATION INDICATORS

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 24, "Spanish Indicators". The information on persons of "Spanish Origin or Descent" was derived from the question of whether a person's origin or descent was Mexican, Puerto Rican, Cuban, Central or South American, or other Spanish. The information on persons of "Puerto Rican Birth or Parentage" includes persons born in Puerto Rico and persons born in the United States or an outlying area with one or more parents born in Puerto Rico. Persons of "Spanish Language" comprise persons of Spanish mother tongue and all other persons in families in which the head or wife reported Spanish as his or her mother tongue. Since a person of "Spanish Origin or Descent" may appear in two or more of these Spanish population indicators, these figures were not totalled to arrive at a total number of Spanish population residents in a city or town.



PAGE 11 - 1970 CENSUS: MOST FREQUENT MOTHER TONGUES  
Other Than English

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 23, "Mother Tongue and Nativity". This information was based on a 15 percent sample survey of which language was spoken in a person's home when he or she was a child. Since English is the most frequent mother tongue, information is only displayed for mother tongues other than English. This information is presented separately for foreign born and natives and these figures were totalled by the MPP support research staff to arrive at the figures presented in this table.

ECONOMIC CHARACTERISTICS

PAGE 12 - 1970 CENSUS: NUMBER OF EMPLOYED PERSONS 16 YEARS OLD AND OVER  
BY OCCUPATION

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 58, "Employed Population 16 Years Old and Over by Occupation". This information was based on a 20 percent sample survey. Each of the occupation categories shown on this table such as "Professional, Technical, and Kindred Workers" have been broken down into subcategories and the same information in this table is available for each of these subcategories. An N.A. indicates that this information was not available for the school district. The percentages may not add up to 100 percent because of rounding. The "White" and "Black" figures may not equal the "Total Persons Employed" because they do not include people of other racial backgrounds such as Asian-American and Native-American. The "Spanish-American" category includes people who are both "White" and "Black" according to the Census definition so that the total of the "White", "Black" and "Spanish-American" columns will never equal the "Total Persons Employed" column.

PAGE 13 - MEDIAN INCOME: 1960 CENSUS; 1970 CENSUS

The information on 1960 Median Income was obtained from the U.S. Department of Commerce, Bureau of the Census, 1960 Census of Population, Volume I, Characteristics of the Population, Part 23 Massachusetts, Tables 33, 34, 76.

The information on the 1970 Median Income was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 75, "Family Income", and Table 76, "Income of Unrelated Individuals". This information was based on a 20 percent sample survey.





The definition of poverty level income originated with the U.S. Social Security Administration in 1964 and was subsequently modified by a Federal Interagency Committee. This index provides a range of poverty income cutoffs adjusted by such factors as family size, family head, number of children under 18 years old, and farm and nonfarm residence, needed in order to maintain a nutritionally adequate food plan designed by the Department of Agriculture. In 1969, the poverty thresholds ranged from \$1,847 for a female unrelated individual 65 years old and over living on a farm to \$6,116 for a nonfarm family with a male head and with seven or more persons. The average poverty threshold for a nonfarm family of four headed by a male was \$3,745. An N.A. indicates that this information was not available for the school district. The percentages may not add up to 100 percent because of rounding. The "White" and "Black" figures may not equal the "Total Population" because they do not include people of other racial backgrounds such as Asian-American and Native-American. The "Spanish-American" category includes people who are both "White" and "Black" according to the Census definition so that the total of the "White", "Black", and "Spanish-American" columns will never equal the "Total Population" column.

PAGE 14 -

1970 CENSUS:

Number of Related Children Under 18 in Families  
Below Poverty Level by Presence of Parents

This information was obtained from the 1970 U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 92, "Related Children Under 18 Years Old in Families Below Poverty Level by Presence of Parents". This information was based on a 20 percent sample survey. The percentages were calculated by the MPP support research staff by dividing the number of children under 18 living in families below poverty level by the total number of children under 18 in that city or town. An N.A. indicates that this information was not available for the school district. The "White" and "Black" figures may not equal the "Total Population" because they do not include people of other racial backgrounds such as Asian-American and Native-American. The "Spanish-American" category includes people who are both "White" and "Black" according to the Census definition so that the total of the "White", "Black" and "Spanish-American" columns will never equal the "Total Population" column.

PAGE 15 - CHARACTERISTICS OF INDUSTRIAL FIRMS: 1967

This information was obtained from the Commonwealth of Massachusetts, Division of Employment Security, "Massachusetts Employment and Wages 1967 by Area (City and Town) by Industry, 3 digit," unpublished computer printouts. This information is on industrial establishments subject to the Massachusetts Employment Security Law, Chapter 151A of the General Laws, and generally excludes employment in nonprofit institutions organized for religious, charitable, educational,

or scientific purposes; in domestic service; self employment and unpaid family service; and in governments. A definition of each major industry, such as "Agriculture and Mining", presented in this table, can be found in the following publication: The Commonwealth of Massachusetts, Division of Employment Security, Massachusetts Cities and Towns, Employment and Wages in Establishments Subject to the Massachusetts Employment Security Law by Major Industry Divisions 1967-1971, March, 1973.

#### PAGE 16 - CHARACTERISTICS OF INDUSTRIAL FIRMS: 1972

This information was obtained from the Commonwealth of Massachusetts, Division of Employment Security, "Massachusetts Employment and Wages 1972 by Area (City and Town) by Industry, 3 digit", unpublished computer printouts. This information is on industrial establishments subject to the Massachusetts Employment Security Law, Chapter 151A of the General Laws, and generally excludes employment in nonprofit institutions organized for religious, charitable, educational, or scientific purposes; in domestic service; self employment and unpaid family service; and in governments. A definition of each major industry, such as "Agriculture and Mining", presented in this table, can be found in the following publication: The Commonwealth of Massachusetts, Division of Employment Security, Massachusetts Cities and Towns, Employment and Wages in Establishments Subject to the Massachusetts Employment Security Law by Major Industry Divisions 1967-1971, March, 1973.

#### LAND USE CHARACTERISTICS

##### PAGE 17 - LAND USE PATTERNS IN (CITY OR TOWN NAME)

The percentages measured on this pie chart were calculated from land use pattern information obtained from the Metropolitan Area Planning Council, Preliminary Single Purpose Plan Report, Land Use Numbers, Study Element Number 3.05 of the Southeastern New England Study, October 1973 (compiled for the New England River Basin Study). This report contained information on the number of acres in a city or town utilized for "Residential", "Commercial" and the other remaining categories. The MPP support research staff calculated the percentages that were used to develop the pie chart displayed in this table.

#### HOUSING CHARACTERISTICS

##### PAGE 18 - 1970 CENSUS: SELECTED HOUSING CHARACTERISTICS

This information was obtained from the U.S. Department of Commerce, Bureau of the

Census, 1970 Census of Population and Housing, 1970 Census of Housing, General Housing Characteristics, Massachusetts HC (1)-A23, Tables 1, 8, 18, 23, 24. The median value of owner occupied units does not include those that are in multi-unit structures, trailers, rural units on farms or places of ten or more acres, or on properties any part of which is used as a business.

The U.S. Bureau of the Census defines a housing unit as a house, an apartment, a group of rooms, or a single room occupied or intended for occupancy as separate living quarters. A housing unit was considered vacant if no one was living in it at the time the Census was taken unless its occupants were only temporarily absent. Median value was the owner's estimate of how much the property (house and lot) would sell for, if it were for sale. Median contract rent is the monthly rent agreed to, or contracted for, regardless of any furnishings, utilities, or services that may be included.

PAGE 18 -           1970 CENSUS: NUMBER OF HOUSING UNITS  
                  by Occupancy Status and Race of Head of Household

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Housing Summary Tapes for Massachusetts, Table 26, "Occupancy/Vacancy Status". The total number of housing units in this table may be slightly lower than the total in the previous table because it does not include vacant migratory and seasonal units. The percentages may not add up to 100 percent because of rounding. An N.A. indicates that this information was not available for the school district. The "White" and "Black" figures may not equal the "Total" column because they do not include people of other racial backgrounds such as Asian-American and Native-American. This information was based on a 20% sample survey.

PAGE 18 - BUILDING PERMITS ISSUED FOR NEW  
                  Dwelling Units: 1960-71

This information was obtained from the Massachusetts Department of Commerce and Development, City and Town Monograph. This is a separate monograph for each city and town in the Commonwealth of Massachusetts. These monographs, which contain other information on a city or town, are free to the public upon request.

PAGE 19 - NUMBER OF SUBSIDIZED HOUSING UNITS BY TYPE OF CONSTRUCTION  
                  STATUS: 1973

This information was obtained from the Metropolitan Area Planning Council, (MAPC) Subsidized Housing in the Boston Region as of December 31, 1973, and is available to the public upon request. The MAPC is the regional planning agency for the Boston metropolitan area; it studies the demographic, socio-economic, land use, and housing characteristics of the cities and towns in the Boston metropolitan area. MHFA refers to the Massachusetts Housing Finance Agency.



PAGE 19 - 1970 CENSUS: AGE OF HOUSING UNITS

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Housing Summary Tapes for Massachusetts, Table 8, "Year Structure Built, Tenure, and Race of Head". This information was based on a 20 percent sample survey. Since this information is based on a sample survey, the total number of housing units may not equal the total number of units recorded on other "Housing Characteristic" tables. The number of "Other Occupied Housing Units" was calculated by the MPP support research staff by subtracting the "Black Occupied Housing Units" column from the "Total Housing Units" column. The "Other Occupied Housing Units" are occupied primarily by whites but may also be occupied by Asian-American, Native-American and other racial and ethnic group members. The percentages may not add up to 100 percent because of rounding. An N.A. indicates that this information was not available for the school district. The "Spanish-American" category includes people who are both "White", and "Black" according to the Census definition so that the total of the "White" "Black" and "Spanish-American" columns will never equal the "Total Housing Units" column.

PAGE 20 - 1970 CENSUS: NUMBER OF PERSONS PER ROOM IN OCCUPIED HOUSING UNITS  
By Race of Head of Household

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, First Count Summary Tapes for Massachusetts, Table 30, "Persons per Room, Tenure and Race of Head". The number of "Other Occupied Housing Units" was calculated by the MPP support research staff by subtracting the "Black Occupied Housing Units" column from the "Total Occupied Units" column. An N.A. indicates that this information was not available for the school district. The percentages may not add up to 100 percent because of rounding.

PAGE 20 - 1970 CENSUS: TYPE OF HOUSING STRUCTURE

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Housing Summary Tapes for Massachusetts, Table 9, "Units in Structure, Tenure, and Race, of Head". This information was based on a 20 percent sample survey. Since this information is based on a sample survey, the total number of housing units may not equal the total number of units recorded on other "Housing Characteristic" tables. This information is also available for Black and Spanish-American occupied units, both owner occupied and renter occupied. An N.A. indicates that this information was not available for the school district. The percentages may not add up to 100 percent because of rounding.

PAGE 20 - 1970 CENSUS:  
Average Number of  
Persons per Housing Unit

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Housing Summary Tapes for Massachusetts, Table 37, "Number of Persons in Unit, Tenure, and Race of Head". This information was based on a 20 percent sample survey. This information was calculated by the MPP support research staff by dividing the number of persons in housing units by the total number of housing units. The number of "Other Occupied Housing Units" was calculated by the MPP support research staff by subtracting the "Black Occupied Housing Units" column from the "Total Occupied Housing Units" column.

PAGE 21 - 1970 CENSUS: VALUE OF OWNER OCCUPIED HOUSING UNITS BY RACE OF  
HEAD OF HOUSEHOLD

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Housing Summary Tapes for Massachusetts, Table 52, "Value, Occupancy Status, and Race of Head". This information was based on a 20 percent sample survey. The value of an owner occupied unit was the owner's estimate of how much the property (house and lot) would sell for, if it were for sale. The number of "Other Owner Occupied Units" was calculated by the MPP support research staff by subtracting the "Black Owner Occupied Units" column from the "Total Owner Occupied Units" column. The percentages may not add up to 100 percent because of rounding. An N.A. indicates that this information was not available for the school district. The "Spanish-American" category includes people who are both "White" and "Black" according to the Census definition so that the total of the "White", "Black" and "Spanish-American" column will never equal the "Total Owner Occupied Units" column.

PAGE 22 - 1970 CENSUS: MONTHLY GROSS RENT BY RACE OF HEAD OF HOUSEHOLD

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Housing Summary Tapes for Massachusetts, Table 19, "Gross Rent and Race of Head". This information was based on a 20 percent sample survey. "Monthly Gross Rent" is the monthly rent agreed to, or contracted for, regardless of any furnishings, utilities, or services that may be included plus the estimated average monthly cost of utilities and fuels, if these items are paid for by the renter in addition to rent. The number of "Other Renter Occupied Units" was calculated by the MPP support research staff by subtracting the "Black Renter Occupied Units" column from the "Total Renter Occupied Units" column. An N.A. indicates that this information was not available for the school district. The percentages may not add up to 100 percent because of rounding. The "Spanish-American" category includes people who are both "White" and "Black" according to the Census definition so that the total of the "White", "Black" and "Spanish-American" columns will never equal the "Total Renter Occupied Units" column.



## NOTES AND SOURCES FOR THE INDIVIDUAL SCHOOL PROFILES

### PAGE 1 - SCHOOL DISTRICT #, SCHOOL #

The school district and school number (#) which appear on the upper right hand box are code numbers which are used by the Massachusetts State Department of Education. These code numbers were obtained from the Massachusetts State Department of Education, Bureau of Educational Information Services, Massachusetts School Directory 1973-74.

### PAGE 1 - 1973-74 SCHOOL DISTRICT; SCHOOL NAME; NO. & STREET; City, State, Zip; Grade Organization

This information was obtained from the Massachusetts State Department of Education, Bureau of Educational Information Services, Massachusetts School Directory 1973-74.

### PAGE 1 - FACILITIES

The information on a school's date of initial construction, date(s) of additions or changes, number of rooms for instructional use, and total number of rooms were obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, School Building Inventory, Fall, 1973. There were fifty-eight types of school rooms listed on this form. Forty-two of these rooms were placed by the MPP support research staff in the "Instructional Use" category. These rooms are:

1. Art (General)
2. Arts and Crafts
3. Auditorium
4. Automotive
5. Bandroom
6. Biology Laboratory
7. Bookkeeping
8. Chemistry Laboratory
9. Child Care Center
10. Chorus Room
11. Classroom Regular, (Regular, Interchangeable)
12. Classroom (Seminar Room)
13. Corrective Room (Athletics)
14. Earth Science Laboratory
15. Field House
16. General Science Laboratory
17. Graphic Arts
18. Gymnasium
19. Home Economics (Food)

20. Home Economics (General)
21. Home Economics (Multi-purpose Living Center)
22. Ice Skating Rink
23. Instructional Media Center
24. Language Arts Laboratory
25. Library
26. Mathematics Laboratory
27. Mechanical Drawing
28. Metal Shop
29. Music Room (General)
30. Office Machines
31. Office Practice
32. Physics Laboratory
33. Power Mechanics Shop
34. Sewing Room
35. Shop (General)
36. Social Studies Laboratory
37. Special Education Remedial Rooms
38. Stenography Room
39. Swimming Pool
40. Television Room
41. Typing Room
42. Wood Shop

The remaining sixteen were placed in the "Other Uses" category.  
They are:

1. Administrative Office
2. Audio-Visual Workroom
3. Cafeteria
4. Data Processing
5. Guidance Office
6. Health Suite
7. Kitchen
8. Lavatories (Boys')
9. Lavatories (Girls')
10. Shower and Locker Rooms
11. Storage (Books)
12. Storage (Custodial Supplies)
13. Storage (General Instructional Supplies)
14. Student Activity Room
15. Teachers' Lounge
16. Teachers' Workroom

An N.A. indicates that this information was not available for the school.

The information on "Title I" programs in a school ("Type of Program", "# of Students") was obtained from the Massachusetts State Department of Education, Division of Curriculum and Instruction, Bureau of Curriculum Services, Title I ESEA, "Unpublished Title I Program Documents, 1973-74." The "% School Enrollment" was calculated by the MPP support research staff by dividing the number of students in Title I programs by the total number of students in the school during the 1973-74 school year. The total number of students was obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Enrollment by Classification, Exhibit II, 1973-74. This is the same total that appears in the "Student Ethnic Census: 1973-74" table on page 2. The Title I program is funded by the U.S. Office of Education and was legislated by the U.S. Congress as part of the 1965 Elementary and Secondary Education Act (ESEA). The Title I program provides assistance for "educationally deprived and neglected and delinquent children".

The information on students in the "Lunch Program" ("# Students, Free"; "# Students, Reduced Price") was obtained from the Massachusetts State Department of Education, Bureau of Nutrition Education and School Food Services Education, "Average Number of Lunches Served to Needy". The figures in this table were calculated by taking the number of needy students served lunches in a school during the month of January, 1974 and dividing this number by the number of days schools were opened that month. The "% School Enrollment" was calculated by the MPP support research staff, 1973-74, by dividing the number of "Lunch Program" students by the 1973-74 school enrollment obtained from the Massachusetts State Department of Education, Division of Research, Planning and Evaluation, Enrollment by Classification, Exhibit II, 1973-74.

The information on students eligible for the "Bilingual Program" was obtained from the Massachusetts State Department of Education, Bureau of Transitional Bilingual Education, Census of Children of Limited English Speaking Ability on October 1, 1973, under Chapter 71A, Act of 1971. This Census of all public school students is conducted each year in order to determine how many students are of limited English speaking ability as defined in Chapter 71A and, thus, eligible for transitional bilingual classes. The "% School Enrollment" was calculated by the MPP support research staff by dividing the number of eligible bilingual students by the 1973-74 school enrollment obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Enrollment by Classification, Exhibit II, 1973-74.

The information on the number of METCO (Metropolitan Council for Educational Opportunities, Inc.) students was obtained from the METCO files, "Unpublished Student Enrollment Records", August, 1974. METCO is a state funded interdistrict transfer program which transports children from Boston to suburban school districts. The "% School Enrollment" was calculated by the MPP support research staff by dividing the number of METCO students by the 1973-74 school enrollment obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Enrollment by Classification, Exhibit II, 1973-74.



This information was obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, 1973-74 Professional Staff Survey. The figures in this table are not always an accurate total of the number of professional staff employed in a school because some staff members may not have filled in a survey. In addition, some staff members may have completed one section of the survey but not another section. As a result, the totals under the "Age", "Years in Present System", and "Position" columns may not be the same. The total number (#) of professional staff recorded in the "Census" column is the largest number of staff found in either the "Age", "Years in Present System", or "Position" categories. The "Total" number of professional staff members may be greater than the total number of "White", "Black", "Spanish Surname", "Asian-American", "Native-American", and "Other" professional staff members because some people who answered this survey did not indicate their racial or ethnic background. An N.A. indicates that this information was not available for the school.

The survey form had 24 different position codes. These positions were reclassified, by the MPP support research staff, under one of these four headings: "Administrators", "Teachers", "Teacher Aides", and "Other Professionals".

"Administrators" include the following positions:

1. Administrative Assistant
2. Assistant Director or Manager
3. Assistant or Vice-Principal
4. Assistant Superintendent
5. Assistant Supervisor
6. Director or Manager (Pupils or Programs)
7. Principal
8. Research
9. Superintendent

"Teachers" include:

1. Itinerant Teacher
2. Special Class Teacher (Handicapped)
3. Specialist (Reading, Speech, etc.)
4. Teacher

"Teacher Aides" include:

1. Teacher Aide

"Other Professionals" include:

1. Attendance Supervisor
2. Chairman or Department Head
3. Counselor
4. Librarian
5. Nurse
6. Other Professional or Technical Personnel
7. Psychologist
8. Psychometrist
9. Social Worker (Adjustment Counselor)
10. Supervisor or Consultant (Staff Improvement)

PAGE 2 - STUDENT ETHNIC CENSUS: 1973-74

This information was obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Enrollment by Classification, Exhibit II, 1973-74. The figures in the "White" column include "White" students and students of racial backgrounds other than "Black", "Native-American", "Asian-American", and "Spanish Surname". "Spanish Surname" students were placed in the "Non-white" category.

PAGE 2 - RACIAL CENSUS: 1967-68; 1970-71; 1972-73

The information on the "Total", "White", and "Non-white" enrollments for these three school years were obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Racial Census, October, 1967; Racial Census, October, 1970; and Racial Census, October, 1972. The Racial Census does not indicate which students were considered "White" and which were considered "Non-white".

PAGE 2 - RACIAL CENSUS: ENROLLMENT CHANGE 1967-1972

These figures were calculated from the previous table by the MPP support research staff. The figures under the number sign (#) column were calculated by subtracting from the "Total", "White" or "Non-white" enrollment for the 1972-73 school year, the "Total", "White" or "Non-white" enrollment for the 1967-68 school year. For example, if the 1972-73 total enrollment was 100 students and the 1967-68 enrollment was 50 students, the enrollment change would be +50(100-50) and this figure would appear in the appropriate box. The figures under the percent(%) column were derived by dividing the difference between the 1972-73 and 1967-68 enrollment by the 1967-68 enrollment. If the difference, for example, between the 1972-73 and 1967-68 enrollments were +50 and the 1967-68 enrollment were 50, the percent change would be +100(50/50). The figures under the "% Change in Proportional Distribution" column were calculated as follows:

The "% White" (or "% Non-white") for 1972-73 was subtracted from the "% White" (or "% Non-white") for 1967-68.

This difference was divided by the "% White" (or "% Non-white") for 1967-68 and this is the figure that was recorded. For example, if the "% White" in 1967-68 was 75% and the "% White" in 1972-73 was 50%, the "% Change in Proportional Distribution" would be calculated as follows:  
$$(50-75)/75 = (-25)/75 = -0.33.$$

Since the percent "Total Enrollment" is always 100%, no "% Change in Proportional Distribution" was calculated or recorded for "Total Enrollment". If there is a percent change from 0 to any number, the "% Change in Proportional Distribution" is mathematically undefined. This is noted by the word "Undefined".



PAGE 2 - FOLLOW-UP OF HIGH SCHOOL GRADUATES: 1968-1972

The information on the post high school placement of 1968 graduates was obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Distribution of Graduating Class, 1969. The number of students in each of the various placement categories may not equal the total number of high school graduates because information on all placements was not available. If there was no information available on high school graduates in a particular school, this is noted by an N.A. in the first column (under the # sign). The information on the 1972 graduates was obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Distribution of High School Graduates, Class of 1972, Fall 1973. The percentages in the 1972 column may not add up to 100% because of rounding. This table is only displayed for high schools; the profiles for elementary and junior high schools do not have this table.

PAGE 2 - ELIGIBLE TRANSITIONAL BILINGUAL STUDENTS: 1973-74

The number of students eligible for a transitional bilingual program was obtained from the Massachusetts State Department of Education, Bureau of Transitional Bilingual Education, Census of Children of Limited English Speaking Ability on October 1, 1973, under Chapter 71A, Act of 1971. This Census of all public school students is conducted each year in order to determine how many students are of limited English speaking ability as defined in Chapter 71A and, thus, eligible for transitional bilingual classes. The "Percent of Bilingual Enrollment" was calculated by the MPP support research staff by dividing the number of students in each language category, such as "Chinese" or "French" by the "Total" number of eligible bilingual students.

Leslie Steven May



EDUCATIONAL CHARACTERISTICS

NUMBER OF SCHOOLS AND ENROLLMENT By Type of School: 1973-74				
Type of School	Number of Schools	Enrollment		
		Total	White	Non-white
Elementary	17	5,579	5,359	220
Junior High	3	1,931	1,867	64
High School	1	3,351	3,229	122
Special & Ungraded	0			
Regional	0			
Vocational	1	467	464	3
Total	22	11,328	10,919	409

SCHOOL ATTENDING CHILDREN IN PUBLIC and Non-public Schools					
Year	Total	Public		Non-public	
		#	%	#	%
1967-68	14,466	10,459	72.3	4,007	27.7
1970-71	14,406	11,112	77.1	3,294	22.9
1972-73	13,975	11,443	81.9	2,532	18.1

EDUCATIONAL COLLABORATIVE PARTICIPATION 1973-74	
Massachusetts Association of School Business Officials (MASBO); Massachusetts Bay Cooperative Data Study (MABCODS)	Arts for Intergroup Education (AFIRE)- Title III.

1970 CENSUS: SCHOOL ENROLLMENT FOR Level and Type of School by Race (Population 3 - 34 years)									
Level and Type of School	Total		White		Black		Spanish-American		
	#	%	#	%	#	%	#	%	
Nursery School	37	0.2	30	0.2	7	1.4	0		
Public									
Parochial	0		0		0				
Private	154	0.8	134	0.8	20	3.9	19	13.7	
Kindergarten									
Public	1,071	5.9	1,056	6.0	15	2.9	0		
Parochial	5		5		0		0		
Private	71	0.4	62	0.4	9	1.7	0		
Elementary (1-8)									
Public	6,275	34.4	6,043	34.3	209	40.4	27	19.4	
Parochial	2,576	14.1	2,555	14.5	21	4.1	0		
Private	124	0.7	109	0.6	15	2.9	0		
High School (1-4)									
Public	3,439	18.8	3,277	18.6	145	28.1	11	7.9	
Parochial	803	4.4	791	4.5	5	1.0	0		
Private	225	1.2	209	1.2	16	3.1	0		
College									
Public	610	3.3	595	3.4	15	2.9	29	20.9	
Private	2,858	15.7	2,769	15.7	40	7.7	53	38.1	

FEDERALLY-FUNDED PROGRAMS: 1973-74		
Program	# of Students	% Total Enrollment
Title I	419	3.7
Title III	4	0.0



## EDUCATIONAL CHARACTERISTICS

RACIAL CENSUS: 1967-68; 1970-71; 1972-73			
Years	Total Enrollment	White	Non-white
		#	%
1967-1968	10,444	10,056	96.3
1970-1971	11,097	10,704	96.5
1972-1973	11,403	10,931	95.9

RACIAL CENSUS: 1967-68; 1970-71; 1972-73			
Years	Total Enrollment	White	Non-white
		#	%
1967-1968	10,444	10,056	96.3
1970-1971	11,097	10,704	96.5
1972-1973	11,403	10,931	95.9

STUDENT ETHNIC CENSUS: 1973-74							
	Total	White	Non-white	Non-white			Spanish Surname
				Black	Native-American	Asian-American	
Number	11,328	10,919	409	390	0	16	3
Percent	100.0	96.4	3.6	3.4		0.1	0.0

FOLLOW UP OF HIGH SCHOOL GRADUATES: 1968; 1972					
Post High School Placement	Class of				
	1968		1972		
	#	%	#	%	
4-yr. State College	56	9.6	96	12.7	
4-yr. Other College	100	17.1	96	12.7	
2-yr. State College	15	2.6	34	4.5	
2-yr. Other College	15	2.6	15	2.0	
Nurses Training	10	1.7	14	1.9	
Other Post Secondary	101	17.2	72	9.5	
Military	22	3.8	23	3.0	
Work	235	40.1	343	45.4	
Other	32	5.5	62	8.2	
TOTAL	586	100.0	755	100.0	

ELIGIBLE TRANSITIONAL BILINGUAL STUDENTS: 1973-74		
Language	Number of Students	Percent of Bilingual Enrollment
TOTAL	26	100.0
Chinese	0	
French	6	23.1
Greek	3	11.5
Italian	14	53.8
Portuguese	1	3.8
Spanish	0	
Other	2	7.7





METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE # 176 MEDFORD

EDUCATIONAL CHARACTERISTICS

PUBLIC SCHOOL STUDENT ENROLLMENTS: 1964 - 1982					
Past Enrollments: 1964 - 1972					
Projected Enrollments: 1973 - 1982					
School Year Beginning in Fall of	Total K-12 (R <sup>2</sup> = .764 )	Total K-6 (R <sup>2</sup> = .050)	Total 7-12 (R <sup>2</sup> = .770)	White K-12 (R <sup>2</sup> = .767)	Non-white K-12 (R <sup>2</sup> = .157)
1964	10537.0	5856.79	4640.21	10207.0	330.000
1965	10493.0	5900.04	4592.95	10143.0	350.000
1966	10329.0	5807.83	4521.16	9957.00	372.000
1967	10444.0	5971.11	4472.89	10056.0	388.000
1968	10509.0	5836.11	4672.88	10313.0	156.000
1969	10755.0	5871.46	4883.53	10424.0	331.000
1970	11084.0	5862.00	5222.00	10693.0	391.000
1971	11412.0	5895.66	5516.34	11032.0	380.000
1972	11403.0	5957.62	5445.38	10931.0	472.000
1973	11444.2	5908.63	5535.52	11034.2	409.916
1974	11578.2	5912.61	5665.57	11157.6	420.566
1975	11712.2	5916.59	5795.62	11281.0	431.216
1976	11846.3	5920.57	5925.67	11404.4	441.866
1977	11980.3	5924.56	6055.72	11527.8	452.516
1978	12114.3	5928.54	6185.78	11651.1	463.166
1979	12248.4	5932.52	6315.83	11774.5	473.816
1980	12382.4	5936.50	6445.88	11897.9	484.466
1981	12516.4	5940.48	6575.93	12021.3	495.116
1982	12650.5	5944.46	6705.98	12144.7	505.766



METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE # 176 MEDFORD

EDUCATIONAL CHARACTERISTICS

NUMBER OF TEACHERS BY RACE: 1972-73										
Total	White		Non-White		Non-white					
	#	%	#	%	Black		Asian-American		Native-American	
					#	%	#	%	#	%
523	516	98.7	7	1.3	7	1.3	0		0	0

NUMBER OF TEACHERS, TEACHER AIDES AND OTHER PROFESSIONAL STAFF: 1973-74													
Staff Status	Total	White		Non-white		Non-white							
		#	%	#	%	Black		Asian-American		Native-American		Spanish Surname	
						#	%	#	%	#	%	#	%
Teachers	547	535	97.8	12	2.2	12	2.2	0		0		0	
Teacher Aides	15	13	86.7	2	13.3	2	13.3	0		0		0	
Other Professional Staff	104	101	97.1	3	2.9	3	2.9	0		0		0	
Total	666	649	97.4	17	2.6	17	2.6	0		0		0	





EDUCATIONAL CHARACTERISTICS

SELECTED FINANCIAL CHARACTERISTICS								
Year	% Municipal Tax Dollar Spent on Education	Comprehensive Per Pupil Expenditure (in \$)			Public School Attending Children Transported at Public Expense		Computative Equalized Property Valuation per School Attending Child (in \$)	
		Total	Elementary School	Junior High School	High School	#		%
1967-68	35.8	612	491	689	878	925	8.8	16,591
1970-71	41.7	833	637	963	1,096	960	8.6	21,796
1972-73	40.7	985	798	1,142	1,208	1,545	13.5	23,614

1973 TAX RATE	
Official	Equalized
167.00	66.80

1973 SCHOOL TAX RATE	
Official	Equalized
68.15	27.26

1973 MOODY'S BOND RATING
Aa

PUBLIC SCHOOL STUDENTS Receiving Subsidized Lunches: 1973-74		
	# of Lunch Program Students	% of Total Enrollment
TOTAL	1,137	10.0
Free	1,095	9.7
Reduced Price	42	0.4

STUDENTS ENROLLED IN METCO		
Year	# METCO Students	% of Total Enrollment
1967-68	0	
1970-71	0	
1972-73	0	
1973-74	0	



## EDUCATIONAL CHARACTERISTICS

PERCENT DISTRIBUTION OF SCHOOL REVENUES: 1967-68; 1970-71; 1972-73									
Year	Total Public School Funds Provided *	Local Sources		Commonwealth Sources		Federal Sources		Other School Districts	
		\$	%	\$	%	\$	%	\$	%
1967-68	7,140,305	5,098,633	71.4	1,716,728	24.0	271,855	3.8	22,871	0.3
1970-71	11,599,035	8,586,016	74.0	2,479,173	21.4	392,680	3.4	12,932	0.1
1972-73	13,528,046	9,739,033	72.0	3,543,710	26.2	369,319	2.7	6,994	0.1

Notes: \*The amount of Total Public School Funds Provided is not necessarily equal to the total of the Local, Commonwealth, Federal, and Other School District revenues because the total incorporates an adjustment figure reported in the annual budget for the beginning and ending balance.

ABSOLUTE DOLLAR AND PERCENT CHANGES IN REVENUES: 1967-72										
Changes in Public School Funds Provided 1967-72	Total		Local Sources		Commonwealth Sources		Federal Sources		Other School Districts	
	\$	%	\$	%	\$	%	\$	%	\$	%
	6,387,741	89.5	4,640,400	91.0	1,826,982	106.4	97,464	35.9	-15,877	- 69.4

PERCENT CHANGE IN PROPORTIONAL DISTRIBUTION OF REVENUES: 1967-72				
% Change in Proportional Distribution of Revenue 1967-72	Local Sources		Commonwealth Sources	
	0.8		9.2	-28.9
				- 66.7



METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE # 176 MEDFORD

EDUCATIONAL CHARACTERISTICS

PERCENT DISTRIBUTION OF SCHOOL EXPENDITURES: 1967-68; 1970-71; 1972-73															
Year	Total Public School Funds Applied	Expenditures by School Committee						Expenditures for Services provided by Other Municipal Agencies		Expenditures for Regional School Assessments		Expenditures of Federal Funds		Expenditures of Revolving Funds	
		Administration		Instruction		Other*		\$	%	\$	%	\$	%		
		\$	%	\$	%	\$	%								
1967-68	7,140,305	154,545	2.2	4,704,776	65.9	1,628,479	18.6	657,674	9.2	0		91,777	1.3	203,054	2.8
1970-71	11,599,035	217,471	1.9	6,617,454	57.1	2,060,907	17.8	2,253,584	19.4	0		140,013	1.2	309,606	2.7
1972-73	13,528,046	244,971	1.8	8,030,610	59.4	2,407,677	17.8	2,350,500	17.4	0		201,946	1.5	292,342	2.2

ABSOLUTE DOLLAR AND PERCENT CHANGES IN EXPENDITURES: 1967-72															
Changes in Public School Funds Expended 1967-72	Total Public School Funds Applied \$	Expenditures by School Committee						Expenditures for Services provided by Other Municipal Agencies		Expenditures for Regional School Assessments		Expenditures of Federal Funds		Expenditures of Revolving Funds	
		Administration		Instruction		Other*		\$	%	\$	%	\$	%	\$	%
		\$	%	\$	%	\$	%								
	6,387,741	90,426	58.5	3,325,834	70.7	779,198	47.8	1,692,826	257.4	0	0.0	110,169	120.0	89,288	44.0

PERCENT CHANGE IN PROPORTIONAL DISTRIBUTION OF EXPENDITURES: 1967-72												
Percent Change in Proportional Distribution of Expenditures 1967-72	Expenditures by School Committee				Expenditures for Services provided by Other Municipal Agencies	Expenditures for Regional School Assessments	Expenditures of Federal Funds	Expenditures of Revolving Funds				
	Administration	Instruction	Other*									
		- 18.2	-9.9	- 4.3	89.1	0.0	15.4	- 21.4				

Note: \*Other includes the following categories: attendance, health service, pupil transportation, food services, athletics, other student-body activities, operation and maintenance of plant, fixed charges, community services, acquisitions of fixed assets, debt retirement and debt services, and programs with other districts.





## EDUCATIONAL CHARACTERISTICS

1970 CENSUS: COUNT OF PERSONS 25 YEARS OF AGE AND OVER BY RACE AND YEARS OF SCHOOL COMPLETED									
Level and Years of School Completed	Total Population		White		Black		Spanish-American		
	#	%	#	%	#	%	#	%	
No School	642	1.7	623	1.7	4	0.5	0		
Year Completed									
Elementary:	859	2.3	844	2.3	10	1.2	14	6.5	
1-4 years									
5-6 years	1,653	4.5	1,586	4.4	26	3.1	0		
7 years	997	2.7	973	2.7	19	2.2	0		
8 years	3,072	8.3	3,016	8.4	44	5.2	10	4.6	
High School:									
1-3 years	7,694	20.8	7,486	20.8	160	18.9	17	7.8	
4 years	16,064	43.4	15,668	43.6	354	41.7	95	43.8	
College:									
1-3 years	3,278	8.9	3,098	8.6	153	18.0	30	13.8	
4 years	1,519	4.1	1,466	4.1	42	5.0	16	7.4	
5 years or more	1,255	3.4	1,205	3.4	36	4.2	35	16.1	
Total	37,003	100.0	35,965	100.0	848	100.0	217	100.0	

MEDIAN SCHOOL YEARS COMPLETED			
Total Population	White	Black	Spanish-American
11.5	11.4	11.9	12.4



## DEMOGRAPHIC CHARACTERISTICS

CENSUS POPULATION INCREASE OR DECREASE: 1960-1970	
1960-70	
Increase (+) or Decrease (-)	-574
% Change 1960-70	
Increase (+) or Decrease (-)	-0.9
Balance of Births to Deaths	
Excess of Births (+)	
Excess of Deaths (-)	+4,581
Net Migration	
Excess of People Moving In (+)	
Excess of People Moving Out (-)	-5,155

1970 CENSUS: FERTILITY RATIO BY RACE	
Total Population	1.383:1
White	1.401:1
Black	1.000:1
Spanish-American	1.043:1





DEMOGRAPHIC CHARACTERISTICS

1970 CENSUS: Household Population by Race			
Race	Total Population #	Population in Households	
		#	%
White	62,475	60,503	97.1
Black	1,601	1,514	2.4
Other	321	285	0.5
Total	64,397	62,302	100.0

1970 CENSUS: Number of Families by Sex of Family Head				
	Family Head	Total Popula- tion	White	Spanish- American
			Black	
Male		14,095	13,733	112
Female		2,222	2,133	0
Total		16,317	15,866	112

1970 CENSUS: AGE DISTRIBUTION BY RACE									
Age	Total	White		Non-white		Non-white			
		#	%	#	%	Black #	%	Other #	%
Under 5	4,847	4,702	7.5	145	7.5	122	7.6	23	7.2
5 - 9	5,417	5,239	8.4	178	9.3	157	9.8	21	6.5
10 - 14	5,755	5,537	8.9	218	11.3	191	11.9	27	8.4
15 - 19	5,947	5,736	9.2	211	11.0	189	11.8	22	6.8
20 - 24	5,448	5,288	8.5	160	8.3	112	7.0	48	15.0
25 - 44	13,541	13,108	21.0	433	22.5	341	21.3	92	28.7
45 - 64	15,041	14,636	23.4	405	21.1	356	22.2	49	15.3
65 and Over	8,401	8,229	13.2	172	8.9	131	8.2	41	12.8
Total	64,397	62,475	100.0	1,922	100.0	1,601	100.0	321	100.0



METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE # 176 MEDFORD

DEMOGRAPHIC CHARACTERISTICS

1970 CENSUS: NATIVITY AND PARENTAGE					
Nativity	Total Population		White	Black	Spanish-American
	#	%	#	#	#
Native of Native Parent	37,810	58.7	36,325	1,317	204
Foreign Stock	26,579	41.3	26,197	251	233
Total	64,389	100.0	62,522	1,568	437

1970 CENSUS: MOST FREQUENT COUNTRY of Origin of Foreign Stock			
Country of Origin	# of Persons	% Foreign Stock Population	
Italy	11,354	42.7	
Canada	4,740	17.8	
Ireland	3,819	14.4	
United Kingdom	1,556	5.9	

1970 CENSUS: SPANISH POPULATION INDICATORS			
Indicators	# of Persons	% of Total Population	
Spanish Origin or Descent	725	1.1	
Puerto Rican Birth or Parentage	20	0.0	
Spanish Language	437	0.7	

1970 CENSUS: MOST FREQUENT MOTHER TONGUES Other Than English			
Mother Tongue	# of Persons	% of Total Population	
Italian	10,945	17.0	
French	994	1.5	
Yiddish	543	0.8	
Polish	497	0.8	



## ECONOMIC CHARACTERISTICS

1970 CENSUS: NUMBER OF EMPLOYED PERSONS 16 YEARS OLD AND OVER BY OCCUPATION								
Occupation	Total Persons Employed		White		Black		Spanish-American	
	#	%	#	%	#	%	#	%
Professional, Technical and Kindred Workers	3,569	13.3	3,397	13.0	155	22.4	49	25.4
Managers and Administrators, except Farm	2,018	7.5	1,986	7.6	23	3.3	22	11.4
Sales Workers	2,020	7.5	1,999	7.7	15	2.2	25	13.0
Clerical and Kindred Workers	7,419	27.6	7,112	27.3	262	37.9	38	19.7
Craftsmen, Foremen and Kindred Workers	3,642	13.6	3,580	13.7	55	7.9	0	
Operatives, except Transport	2,824	10.5	2,750	10.6	62	9.0	31	16.1
Transport Equipment Operatives	1,256	4.7	1,221	4.7	25	3.6	0	
Laborers, except Farm	1,013	3.8	992	3.8	17	2.5	0	
Farmers and Farm Managers	5	0.0	0		5	0.7	0	
Farm Laborers and Foremen	0		0		0		0	
Service Workers, except Private Household	3,036	11.3	2,952	11.3	62	9.0	28	14.5
Private Household Workers	73	0.3	62	0.2	11	1.6	0	
Total	26,875	100.0	26,051	100.0	692	100.0	193	100.0





METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE # 176 MEDFORD

ECONOMIC CHARACTERISTICS

MEDIAN INCOME: 1960 CENSUS; 1970 CENSUS							
Year	Families			Unrelated Individuals			
	All	White	Black	Spanish-American	All	White	Black
1960	\$6,693	N.A.	N.A.	N.A.	\$1,308	N.A.	N.A.
1970	\$11,144	\$11,144	\$11,800	\$12,630	\$1,905	\$1,885	\$2,611
							\$1,157

1970 CENSUS: EMPLOYMENT STATUS BY RACE of Persons 16 Years of Age and Over in Labor Force									
Employment Status	Total Population		White		Black		Spanish-American		
	#	%	#	%	#	%	#	%	%
Employed	28,875	97.1	26,051	96.9	692	97.2	193	100.0	
Unemployed	871	2.9	829	3.1	20	2.8	0		
Total	29,746	100.0	26,880	100.0	712	100.0	193	100.0	



METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE # 176 MEDFORD

ECONOMIC CHARACTERISTICS

1970 CENSUS: Number of Persons in Families and Number of Unrelated Individuals with Income Less Than Poverty Level								
Family Status	Total Population		White		Black		Spanish-American	
	#	%	#	%	#	%	#	%
Persons in Families	2,465	62.9	2,397	63.6	50	49.5	0	
Unrelated Individuals	1,451	37.1	1,371	36.4	51	50.5	6	100.0
Total	3,916	100.0	3,768	100.0	101	100.0	6	100.0

1970 CENSUS: Number of Related Children Under 18 in Families Below Poverty Level by Presence of Parents								
Parental Presence	Total Population		White		Black		Spanish-American	
	#	%	#	%	#	%	#	%
Living with Both Parents	534	2.8	519	2.8	15	2.7	0	
Other	614	3.2	603	3.2	11	2.0	0	
Total	1,148	5.9	1,122	6.0	26	4.7	0	





## ECONOMIC CHARACTERISTICS

CHARACTERISTICS OF INDUSTRIAL FIRMS: 1967				
Industry	Number of Firms	Annual Payroll in \$	Average Number of Employees	Average Annual Wage in \$
Agriculture and Mining	11	313,860	85	3,692
Construction	128	7,736,563	944	8,196
Manufacturing	57	15,022,345	2,444	6,147
Transportation, Communication, and Utilities	53	8,298,221	1,228	6,758
Wholesale and Retail Trade	319	23,060,900	4,381	5,264
Finance, Insurance, Real Estate	45	860,122	162	5,309
Service Industries	244	4,186,022	1,245	3,362
Total	857	59,478,033	10,489	5,671



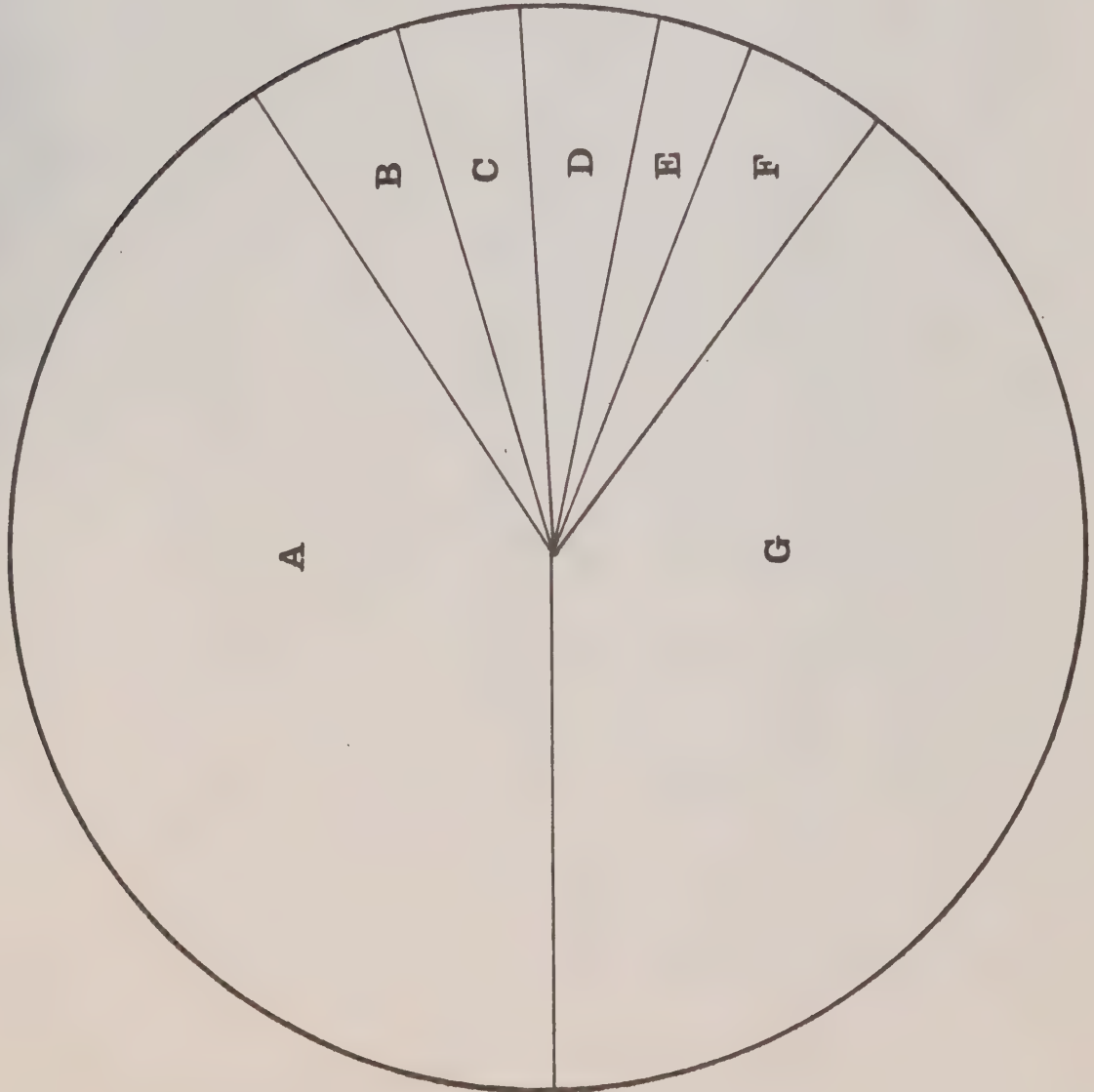
## ECONOMIC CHARACTERISTICS

CHARACTERISTICS OF INDUSTRIAL FIRMS: 1972				
Industry	Number of Firms	Annual Payroll in \$	Average Number of Employees	Average Annual Wage in \$
Agriculture and Mining	7	238,323	39	6,111
Construction	138	15,115,100	1,164	12,985
Manufacturing	58	18,331,433	2,159	8,491
Transportation, Communication, and Utilities	46	11,091,523	1,152	9,628
Wholesale and Retail Trade	286	31,913,484	4,668	6,837
Finance, Insurance, Real Estate	40	1,282,812	181	7,087
Service Industries	252	33,042,130	5,545	5,959
Total	827	111,014,805	14,906	7,448



1971 LAND USE PATTERN IN

# MEDFORD



LAND USE		%
A	RESIDENTIAL	40.8
B	COMMERCIAL	4.6
C	RECREATIONAL	3.6
D	PUBLIC INSTITUTIONS	4.1
E	INDUSTRIAL	2.8
F	VACANT LAND	4.3
G	OTHER:	39.8

Transportation  
 Disposal Sites, Extractive  
 Agricultural and Forest  
 Water and Wetlands





HOUSING CHARACTERISTICS

1970 CENSUS: SELECTED HOUSING CHARACTERISTICS												
Total Housing Units					Occupied Housing Units					Median Value Owner Occupied Unit		
Total		Vacant		Occupied		Total		Owner Occupied		Renter Occupied		Median Contract Rent
#	%	#	%	#	%	#	%	#	%	#	%	\$
19,860	100.0	313	1.6	19,547	98.4	19,547	100.0	11,664	59.7	7,883	40.3	22,500
												\$ 103

1970 CENSUS: NUMBER OF HOUSING UNITS by Occupancy Status and Race of Head of Household						
Occupancy Status	Total		White Head of Household		Black Head of Household	
	#	%	#	%	#	%
Owner Occupied	11,664	58.7	11,342	59.7	284	62.8
Renter Occupied	7,883	39.7	7,670	40.3	168	37.2
Vacant Year Round	310	1.6	Not Applicable			
Total	19,857	100.0	19,012	100.0	452	100.0

BUILDING PERMITS ISSUED FOR NEW Dwelling Units: 1960-1971	
Year Issued	Number
1960-1964	516
1965-1970	690
1971	55
Total	1,261



HOUSING CHARACTERISTICS

NUMBER OF SUBSIDIZED HOUSING UNITS BY TYPE OF UNIT BY CONSTRUCTION STATUS: 1973									
Status	Total Subsidized Units	Low Income Units			Moderate Income Units			MHFA Low-Moderate Income Units	
		Elderly	Family	Leased	Elderly	Family Homeownership	Rental Assistance	Low	Moderate
Completed	768	344	300	122	0	2	0	0	0
Under Construction	465	0	0	0	0	0	0	116	349
In Planning	200	200	0	0	0	0	0	0	0

1970 CENSUS: AGE OF HOUSING UNITS									
Year Built	Total Housing Units		Black Occupied Housing Units		Other Occupied Housing Units		Spanish-American Occupied Housing Units		
	#	%	#	%	#	%	#	%	
1965-March 1970	578	2.9	19	4.1	559	2.9	0		
1960-1964	594	3.0	9	2.0	585	3.0	11	11.0	
1950-1959	1,538	7.7	47	10.2	1,491	7.7	17	17.0	
1940-1949	1,080	5.4	21	4.6	1,059	5.5	0		
1939 or earlier	16,068	80.9	365	79.2	15,703	81.0	72	72.0	
Total	19,858	100.0	461	100.0	19,397	100.0	100	100.0	





METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE # 176 MEDFORD

HOUSING CHARACTERISTICS

1970 CENSUS: NUMBER OF PERSONS PER ROOM IN OCCUPIED HOUSING UNITS by Race of Head of Household						
Persons per Room	Total Occupied Units		Black Occupied Units		Other Occupied Units	
	#	%	#	%	#	%
1.00 or less	18,668	95.5	434	96.0	18,234	95.5
1.01 to 1.50	789	4.0	16	3.5	773	4.0
1.51 or more	90	0.5	2	0.4	88	0.5
Total	19,547	100.0	452	100.0	19,095	100.0

1970 CENSUS: TYPE OF HOUSING STRUCTURE		
Type	# of Structures	% of Housing Units
1 Unit	7,768	39.1
2 Units	8,214	41.4
3-4 Units	2,134	10.7
5-9 Units	606	3.1
10 or more Units	1,136	5.7
Mobile Home or Trailer	0	
Total	19,858	100.0

1970 CENSUS: Average Number of Persons per Housing Unit	
Total Occupied Housing Units	3.2
Black Occupied Housing Units	3.1
Other Occupied Housing Units	3.2
Spanish-American Occupied Housing Units	3.7



## HOUSING CHARACTERISTICS

1970 CENSUS: VALUE OF OWNER OCCUPIED HOUSING UNITS BY RACE OF HEAD OF HOUSEHOLD									
	Total Owner Occupied Units		Black Owner Occupied Units		Other Owner Occupied Units		Spanish-American Owner Occupied Units		
	#	%	#	%	#	%	#	%	
Less than \$5,000	14	0.2	0		14	0.2			
\$5,000 - \$7,499	47	0.7	6	3.0	41	0.6			
\$7,500 - \$9,999	74	1.0	5	2.5	69	1.0			
\$10,000 - \$12,499	193	2.7	22	10.9	171	2.5			
\$12,500 - \$14,999	336	4.7	16	8.0	320	4.6			
\$15,000 - \$17,499	631	8.8	58	28.9	573	8.2			
\$17,500 - \$19,999	1,104	15.4	50	24.9	1,054	15.1			
\$20,000 - \$24,999	2,220	31.0	39	19.4	2,181	31.3			
\$25,000 - \$34,999	1,935	27.0	5	2.5	1,930	27.7			
\$35,000 - \$49,999	489	6.8	0		489	7.0			
\$50,000 and over	118	1.6	0		118	1.7			
Total	7,161	100.0	201	100.0	6,960	100.0		N.A.	



METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE # 176 MEDFORD

HOUSING CHARACTERISTICS

1970 CENSUS: MONTHLY GROSS RENT BY RACE OF HEAD OF HOUSEHOLD									
Monthly Gross Rent	Total Renter Occupied Units		Black Renter Occupied Units		Other Renter Occupied Units		Spanish-American Renter Occupied Units		
	#	%	#	%	#	%	#	%	
Less than \$30	0		0		0		0		
\$30 - \$49	22	0.3	0		22	0.3	0		
\$50 - \$69	659	8.4	9	4.9	650	8.4	0		
\$70 - \$89	429	5.4	0		429	5.6	0		
\$90 - \$119	1,587	20.1	31	17.0	1,556	20.2	7	15.2	
\$120 - \$149	2,652	33.6	57	31.3	2,595	33.7	8	17.4	
\$150 - \$199	2,045	25.9	61	33.5	1,984	25.8	24	52.2	
\$200 - \$249	251	3.2	15	8.2	236	3.1	7	15.2	
\$250 - \$299	31	0.4	0		31	0.4	0		
\$300 or more	13	0.2	0		13	0.2	0		
No Cash Rent	194	2.5	9	4.9	185	2.4	0		
Total	7,883	100.0	182	100.0	7,701	100.0	46	100.0	





School District # 176  
School # 005

1973-74	
School District:	Medford
School Name:	Brooks
No. & Street:	388 High Street
City, State, Zip:	Medford, Mass. 02155
Grade Organization:	K-6
Facilities:	
Initial Construction Date:	1898
Dates of Additions or Changes:	1949
# Rooms, Instructional Use:	15
# Rooms, Other Uses:	10
TOTAL	25

1973-74	
Federal Programs	
Title I:	
Type of Program:	
# of Students:	0
% School Enrollment:	
Lunch Program:	
# Students, Free:	Included in Hobbs
# Students, Reduced Price:	Junior High
TOTAL	
% School Enrollment:	
Bilingual Program:	
# Eligible Students:	0
% School Enrollment:	
METCO Interdistrict Program:	
# Students:	0
% School Enrollment:	

[illegible]



School District # 176  
School # 005

STUDENT ETHNIC CENSUS: 1973-74							
	Total	White	Non-white	Non-white			
				Black	Native-American	Asian-American	Spanish Surname
Number	358	266	92	90	0	2	0
Percent	100.0	74.3	25.7	25.1		0.6	

RACIAL CENSUS: 1967-68, 1970-71, 1972-73					
Years	Total Enrollment	White		Non-white	
		#	%	#	%
1967-1968	299	280	93.6	19	6.4
1970-1971	359	300	83.6	59	16.4
1972-1973	356	270	75.8	86	24.2

RACIAL CENSUS: ENROLLMENT CHANGE 1967-1972			
	#	%	% Change in Proportional Distribution
TOTAL	+57	+19.1	
White	-10	- 3.6	-19.0
Non-white	+67	+352.6	+278.1

ELIGIBLE TRANSITIONAL BILINGUAL STUDENTS: 1973-74		
Language	Number of Students	Percent of Bilingual Enrollment
TOTAL	0	
Chinese		
French		
Greek		
Italian		
Portuguese		
Spanish		
Other		





## METROPOLITAN PLANNING PROJECT/INDIVIDUAL SCHOOL PROFILE

1973-74		School District # 176
Federal Programs		School # 010
Title I:		
Type of Program:		Reading, Language Arts
# of Students:		57
% School Enrollment:		21.3
Lunch Program:		
# Students, Free:		99
# Students, Reduced Price:		3
TOTAL		102
% School Enrollment:		38.2
Bilingual Program:		
# Eligible Students:		2
% School Enrollment:		0.7
METCO Interdistrict Program:		
# Students:		0
% School Enrollment:		

1973-74	
School District:	Medford
School Name:	Columbus (Hall Ave Bldg.)
No. & Street:	37 Hicks Avenue
City, State, Zip:	Medford, Mass. 02155
Grade Organization:	K-6
Facilities:	
Initial Construction Date:	1928
Dates of Additions or Changes:	
# Rooms, Instructional Use:	12
# Rooms, Other Uses:	10
TOTAL	22

[illegible]



School District # 176  
School # 010

STUDENT ETHNIC CENSUS: 1973-74							
	Total	White	Non-white	Non-white			
				Black	Native-American	Asian-American	Spanish Surname
Number	267	264	3	3	0	0	0
Percent	100.0	98.9	1.1	1.1			

RACIAL CENSUS: 1967-68, 1970-71, 1972-73					
Years	Total Enrollment	White		Non-white	
		#	%	#	%
1967-1968	325	321	98.8	4	1.2
1970-1971	290	286	98.6	4	1.4
1972-1973	290	290	100.0	0	

RACIAL CENSUS: ENROLLMENT CHANGE 1967-1972			
	#	%	% Change in Proportional Distribution
TOTAL	-35	-10.8	
White	-31	- 9.7	+1.2
Non-white	- 4	-100.0	-100.0

ELIGIBLE TRANSITIONAL BILINGUAL STUDENTS: 1973-74		
Language	Number of Students	Percent of Bilingual Enrollment
TOTAL	2	100.0
Chinese	0	
French	0	
Greek	1	50.0
Italian	1	50.0
Portuguese	0	
Spanish	0	
Other	0	



## METROPOLITAN PLANNING PROJECT/INDIVIDUAL SCHOOL PROFILE

School District #176 School # 015	
1973-74	
Federal Programs	
Title I:	
Type of Program:	
# of Students:	0
% School Enrollment:	
Lunch Program:	
# Students, Free:	9
# Students, Reduced Price:	0
TOTAL	9
% School Enrollment:	6.9
Bilingual Program:	
# Eligible Students:	0
% School Enrollment:	
METCO Interdistrict Program:	
# Students:	0
% School Enrollment:	

1973-74	
School District:	Medford
School Name:	Curtis
No. & Street:	19 Paris
City, State, Zip:	Medford, Mass. 02155
Grade Organization:	K-3
Facilities:	
Initial Construction Date:	1899
Dates of Additions or Changes:	N.A.
# Rooms, Instructional Use:	4
# Rooms, Other Uses:	6
TOTAL	10

[illegible]





School District # 176 School # 015
---------------------------------------

STUDENT ETHNIC CENSUS: 1973-74							
	Total	White	Non-white	Non-white			Spanish Surname
				Black	Native-American	Asian-American	
Number	130	127	3	3	0	0	0
Percent	100.0	97.7	2.3	2.3			

RACIAL CENSUS: 1967-68, 1970-71, 1972-73					
Years	Total Enrollment	White		Non-white	
		#	%	#	%
1967-1968	173	173	100.0	0	
1970-1971	127	125	98.4	2	1.6
1972-1973	135	131	97.0	4	3.0

RACIAL CENSUS: ENROLLMENT CHANGE 1967-1972				
TOTAL	#	%	% Change in Proportional Distribution	
	-38	-23.0		
White	-42	-24.3		-3.0
Non-white	+4	Undefined		Undefined

ELIGIBLE TRANSITIONAL BILINGUAL STUDENTS: 1973-74		
Language	Number of Students	Percent of Bilingual Enrollment
TOTAL	0	
Chinese		
French		
Greek		
Italian		
Portuguese		
Spanish		
Other		



School District # 176  
School # 020

1973-74	
School District:	Medford
School Name:	Lorin L. Dame
No. & Street:	80 George
City, State, Zip:	Medford, Mass. 02155
Grade Organization:	K-6
Facilities:	
Initial Construction Date:	1909
Dates of Additions or Changes:	1971
# Rooms, Instructional Use:	2
# Rooms, Other Uses:	7
TOTAL	9

1973-74	
Federal Programs	
Title I:	
Type of Program:	
# of Students:	0
% School Enrollment:	
Lunch Program:	
# Students, Free:	34
# Students, Reduced Price:	7
TOTAL	41
% School Enrollment:	7.4
Bilingual Program:	
# Eligible Students:	0
% School Enrollment:	
METCO Interdistrict Program:	
# Students:	0
% School Enrollment:	

[illegible]





STUDENT ETHNIC CENSUS: 1973-74							School District # 176 School # 020	
	Total	White	Non-white	Black	Non-white			
					Native- American	Asian- American	Spanish Surname	
Number	551	545	6	6	0	0	0	
Percent	100.0	98.9	1.1	1.1				

RACIAL CENSUS: 1967-68, 1970-71, 1972-73					
Years	Total En- rollment	White		Non-white	
		#	%	#	%
1967- 1968	611	579	94.8	32	5.2
1970- 1971	584	569	97.4	15	2.6
1972- 1973	576	566	98.3	10	1.7

RACIAL CENSUS: ENROLLMENT CHANGE 1967-1972			
	#	%	% Change in Propor- tional Distribution
TOTAL	-35	-5.7	
White	-13	-2.2	+3.7
Non-white	-22	-68.8	-67.3

ELIGIBLE TRANSITIONAL BILINGUAL STUDENTS: 1973-74		
Language	Number of Students	Percent of Bilingual Enrollment
TOTAL	0	
Chinese		
French		
Greek		
Italian		
Portuguese		
Spanish		
Other		



## METROPOLITAN PLANNING PROJECT/INDIVIDUAL SCHOOL PROFILE

School District # 176	
School # 025	
1973-74	
Federal Programs	
Title I:	
Type of Program:	
# of Students:	0
% School Enrollment:	
Lunch Program:	
# Students, Free:	17
# Students, Reduced Price:	0
TOTAL	17
% School Enrollment:	5.1
Bilingual Program:	
# Eligible Students:	0
% School Enrollment:	0
METCO Interdistrict Program:	
# Students:	0
% School Enrollment:	

1973-74  
School District: Medford  
School Name: George Davenport  
No. & Street: Horne Ave  
City, State, Zip: Medford, Mass. 02155  
Grade Organization: K-5  
Facilities:  
Initial Construction Date: 1925  
Dates of Additions or Changes: 1970  
# Rooms, Instructional Use: 14  
# Rooms, Other Uses: 7  
TOTAL 21

## STAFF ETHNIC CENSUS: 1973-74

[illegible]



STUDENT ETHNIC CENSUS: 1973-74							School District # 176 School # 025	
	Total	White	Non-white	Black	Native-American	Asian-American	Spanish Surname	
Number	333	331	2	0	0	2	0	
Percent	100.0	99.4	0.6			0.6		

RACIAL CENSUS: 1967-68, 1970-71, 1972-73					
Years	Total Enrollment	White #	White %	Non-white #	Non-white %
1967-1968	376	373	99.2	3	0.8
1970-1971	428	422	98.6	6	1.4
1972-1973	358	354	98.9	4	1.1

RACIAL CENSUS: ENROLLMENT CHANGE 1967-1972			
	#	%	% Change in Proportional Distribution
TOTAL	-18	-4.8	
White	-19	-5.1	-0.3
Non-white	+1	+33.3	+37.5

ELIGIBLE TRANSITIONAL BILINGUAL STUDENTS: 1973-74		
Language	Number of Students	Percent of Bilingual Enrollment
TOTAL	0	
Chinese		
French		
Greek		
Italian		
Portuguese		
Spanish		
Other		





## METROPOLITAN PLANNING PROJECT/INDIVIDUAL SCHOOL PROFILE

School District # 176	
School # 030	
1973-74	
Federal Programs	
Title I:	
Type of Program:	
% of Students:	0
% School Enrollment:	
Lunch Program:	
# Students, Free:	7
% Students, Reduced Price:	0
TOTAL	7
% School Enrollment:	3.3
Bilingual Program:	
# Eligible Students:	0
% School Enrollment:	
METCO Interdistrict Program:	
# Students:	0
% School Enrollment:	

1973-74

School District:	Medford
School Name:	Forest Park
No. & Street:	225 Governors Ave
City, State, Zip:	Medford, Mass. 02155
Grade Organization:	K-6
Facilities:	
Initial Construction Date:	1932
Dates of Additions or Changes:	
# Rooms, Instructional Use:	8
# Rooms, Other Uses:	11
TOTAL	19

[illegible]



School District # 176  
School # 030

STUDENT ETHNIC CENSUS: 1973-74						
	Total	White	Non-white	Black	Native-American	Non-white Asian-American Spanish Surname
Number	215	215	0	0	0	0
Percent	100.0	100.0				

RACIAL CENSUS: 1967-68, 1970-71, 1972-73					
Years	Total Enrollment	White		Non-white	
		#	%	#	%
1967-1968	211	211	100.0	0	
1970-1971	209	209	100.0	0	
1972-1973	220	220	100.0	0	

RACIAL CENSUS: ENROLLMENT CHANGE 1967-1972				
	#	%	% Change in Proportional Distribution	
TOTAL	+ 9	+ 4.3		
White	+ 9	+ 4.3	0.0	
Non-white	0	0.0	0.0	

ELIGIBLE TRANSITIONAL BILINGUAL STUDENTS: 1973-74		
Language	Number of Students	Percent of Bilingual Enrollment
TOTAL	0	
Chinese		
French		
Greek		
Italian		
Portuguese		
Spanish		
Other		





# METROPOLITAN PLANNING PROJECT/INDIVIDUAL SCHOOL PROFILE

1973-74 School District: Medford		School District # 176 School # 035	
School Name: Franklin		Federal Programs	
No. & Street: 68 Central Ave.		Title I:	
City, State, Zip: Medford, Mass. 02155		Type of Program: Reading, Language Arts	
Grade Organization: K-4		# of Students: 39	
Facilities:		% School Enrollment: 12.6	
Initial Construction Date: 1895		Lunch Program:	
Dates of Additions or Changes: N.A.		# Students, Free: 38	
# Rooms, Instructional Use: 11		# Students, Reduced Price: 0	
# Rooms, Other Uses: 7		TOTAL 38	
TOTAL 18		% School Enrollment: 12.3	
		Bilingual Program:	
		# Eligible Students: 3	
		% School Enrollment: 1.0	
		METCO Interdistrict Program:	
		# Students: 0	
		% School Enrollment:	

STAFF ETHNIC CENSUS: 1973-74													
Professional Staff	Census		Age					Years in Present System			Position		
	#	%	Under 26	26-34	35-55	56 & Over	Under 3	3-9	10 & Over	Adminis- trators	Teachers	Teacher Aides	Other Profes- sionals
TOTAL	11	100.0	3	2	4	2	1	8	2	0	11	0	0
White	11	100.0	3	2	4	2	1	8	2	0	11	0	0
Black	0		0	0	0	0	0	0	0	0	0	0	0
Spanish Surname	0		0	0	0	0	0	0	0	0	0	0	0
Asian-American	0		0	0	0	0	0	0	0	0	0	0	0
Native-American	0		0	0	0	0	0	0	0	0	0	0	0
Other	0		0	0	0	0	0	0	0	0	0	0	0



School District # 176  
School # 035

STUDENT ETHNIC CENSUS: 1973-74					
	Total	White		Non-white	
		Black	Native-American	Asian-American	Spanish Surname
Number	310	0	0	0	0
Percent	100.0				

RACIAL CENSUS: 1967-68, 1970-71, 1972-73					
Years	Total Enrollment	White		Non-white	
		#	%	#	%
1967-1968	337	337	100.0	0	
1970-1971	314	314	100.0	0	
1972-1973	331	331	100.0	0	

RACIAL CENSUS: ENROLLMENT CHANGE 1967-1972				
	#	%	% Change in Proportional Distribution	
TOTAL	-6	-1.8		
White	-6	-1.8	0.0	
Non-white	0	0.0	0.0	

ELIGIBLE TRANSITIONAL BILINGUAL STUDENTS: 1973-74		
Language	Number of Students	Percent of Bilingual Enrollment
TOTAL	3	100.0
Chinese	0	0.0
French	0	0.0
Greek	0	0.0
Italian	2	66.7
Portuguese	1	33.3
Spanish	0	0.0
Other	0	0.0



School District #176  
School # 040

1973-74	Medford
School District:	
School Name:	Sarah Bradlee Fulton
No. & Street:	Fulton
City, State, Zip:	Medford, Mass. 02155
Grade Organization:	K-5
Facilities:	
Initial Construction Date:	1921
Dates of Additions or Changes:	1970
# Rooms, Instructional Use:	12
# Rooms, Other Uses:	8
TOTAL	20

School District #176	
School # 040	
1973-74	
Federal Programs	
Title I:	
Type of Program:	
# of Students:	0
% School Enrollment:	
Lunch Program:	
# Students, Free:	23
# Students, Reduced Price:	0
TOTAL	23
% School Enrollment:	8.7
Bilingual Program:	
# Eligible Students:	0
% School Enrollment:	
METCO Interdistrict Program:	
# Students:	0
% School Enrollment:	

[illegible]





School District # 176  
School # 040

STUDENT ETHNIC CENSUS: 1973-74							
	Total	White	Non-white	Black	Native-American	Asian-American	Spanish Surname
Number	264	264	0	0	0	0	0
Percent	100.0	100.0					

RACIAL CENSUS: 1967-68, 1970-71, 1972-73					
Years	Total Enrollment	White		Non-white	
		#	%	#	%
1967-1968	300	300	100.0	0	
1970-1971	327	326	99.7	1	0.3
1972-1973	284	284	100.0	0	

RACIAL CENSUS: ENROLLMENT CHANGE 1967-1972			
	#	%	% Change in Proportional Distribution
TOTAL	-16	-5.3	
White	-16	-5.3	0.0
Non-white	0	0.0	0.0

ELIGIBLE TRANSITIONAL BILINGUAL STUDENTS: 1973-74		
Language	Number of Students	Percent of Bilingual Enrollment
TOTAL	0	
Chinese		
French		
Greek		
Italian		
Portuguese		
Spanish		
Other		



School District #176  
School # 045

1973-74  
School District: Medford  
School Name: Gleason  
No. & Street: Playstead Road  
City, State, Zip: Medford, Mass. 02155  
Grade Organization: K-6  
Facilities:  
Initial Construction Date: 1931  
Dates of Additions or Changes:  
# Rooms, Instructional Use: 9  
# Rooms, Other Uses: 8  
TOTAL 17

1973-74	
Federal Programs	
Title I:	
Type of Program:	
# of Students:	0
% School Enrollment:	
Lunch Program:	
# Students, Free:	12
# Students, Reduced Price:	1
TOTAL	13
% School Enrollment:	3.2
Bilingual Program:	
# Eligible Students:	0
% School Enrollment:	
METCO Interdistrict Program:	
# Students:	0
% School Enrollment:	

[illegible]





School District # 176  
School # 045

STUDENT ETHNIC CENSUS: 1973-74						
	Total	White	Non-white	Non-white		
				Black	Native-American	Asian-American
Number	407	402	5	5	0	0
Percent	100.0	98.8	1.2	1.2		

RACIAL CENSUS: ENROLLMENT CHANGE 1967-1972			
Years	Total Enrollment	White	Non-white
1967-1968	420	368	52
1970-1971	406	386	20
1972-1973	401	391	10

RACIAL CENSUS: 1967-68, 1970-71, 1972-73			
Years	Total Enrollment	White	Non-white
1967-1968	420	368	52
1970-1971	406	386	20
1972-1973	401	391	10

ELIGIBLE TRANSITIONAL BILINGUAL STUDENTS: 1973-74		
Language	Number of Students	Percent of Bilingual Enrollment
TOTAL	0	
Chinese		
French		
Greek		
Italian		
Portuguese		
Spanish		
Other		



School District #176  
School # 050

1973-74  
School District: Medford  
School Name: Hancock  
No. & Street: 24 Hancock Avenue  
City, State, Zip: Medford, Mass. 02155  
Grade Organization: K-6  
Facilities:  
Initial Construction Date: 1915  
Dates of Additions or Changes: \_\_\_\_\_  
# Rooms, Instructional Use: 10  
# Rooms, Other Uses: 6  
TOTAL 16

1973-74	
Federal Programs	
Title I:	
Type of Program:	Reading, Language Arts
# of Students:	36
% School Enrollment:	16.4
Lunch Program:	
# Students, Free:	11
# Students, Reduced Price:	1
TOTAL	12
% School Enrollment:	5.5
Bilingual Program:	
# Eligible Students:	0
% School Enrollment:	
METCO Interdistrict Program:	
# Students:	0
% School Enrollment:	

[illegible]



School District # 176 School # 050
---------------------------------------

STUDENT ETHNIC CENSUS: 1973-74							
	Total	White	Non-white	Non-white			
				Black	Native-American	Asian-American	Spanish Surname
Number	220	218	2	2	0	0	0
Percent	100.0	99.1	0.9	0.9			

RACIAL CENSUS: 1967-68, 1970-71, 1972-73					
Years	Total Enrollment	White		Non-white	
		#	%	#	%
1967-1968	235	235	100.0	0	
1970-1971	217	217	100.0	0	
1972-1973	255	253	99.2	2	0.8

RACIAL CENSUS: ENROLLMENT CHANGE 1967-1972			
TOTAL	#	%	% Change in Proportional Distribution
	+20	+8.5	
White	+18	+7.7	+0.8
Non-white	+ 2	Undefined	Undefined

ELIGIBLE TRANSITIONAL BILINGUAL STUDENTS: 1973-74		
Language	Number of Students	Percent of Bilingual Enrollment
TOTAL	0	
Chinese		
French		
Greek		
Italian		
Portuguese		
Spanish		
Other		





School District #176  
School # 055

1937-74	School District:	Medford
	School Name:	Hervey
	No. & Street:	Sharon
	City, State, Zip:	Medford, Mass. 02155
	Grade Organization:	K-3
	Facilities:	
	Initial Construction Date:	1932
	Dates of Additions or Changes:	
	# Rooms, Instructional Use:	11
	# Rooms, Other Uses:	11
	TOTAL	22

1973-74	
Federal Programs	
Title I:	
Type of Program:	
# of Students:	0
% School Enrollment:	
Lunch Program:	
# Students, Free:	35
# Students, Reduced Price:	0
TOTAL	35
% School Enrollment:	17.5
Bilingual Program:	
# Eligible Students:	0
% School Enrollment:	
METCO Interdistrict Program:	
# Students:	0
% School Enrollment:	

[illegible]



School District # 176  
School # 055

STUDENT ETHNIC CENSUS: 1973-74							
	Total	White	Non-white	Non-white			Spanish Surname
				Black	Native-American	Asian-American	
Number	200	115	85	85	0	0	0
Percent	100.0	57.5	42.5	42.5			

RACIAL CENSUS: 1967-68, 1970-71, 1972-73					
Years	Total Enrollment	White		Non-white	
		#	%	#	%
1967-1968	164	98	59.8	66	40.2
1970-1971	173	103	59.5	70	40.5
1972-1973	195	97	49.7	98	50.3

RACIAL CENSUS: ENROLLMENT CHANGE 1967-1972			
	#	%	% Change in Proportional Distribution
TOTAL	+31	+18.9	
White	-1	-1.0	-16.9
Non-white	+32	+48.5	+25.1

ELIGIBLE TRANSITIONAL BILINGUAL STUDENTS: 1973-74		
Language	Number of Students	Percent of Bilingual Enrollment
TOTAL	0	
Chinese		
French		
Greek		
Italian		
Portuguese		
Spanish		
Other		





METROPOLITAN PLANNING PROJECT/INDIVIDUAL SCHOOL PROFILE

School District # 176  
School # 060

1973-74  
Federal Programs  
Title I:  
Type of Program:  
# of Students:  
% School Enrollment:  
Lunch Program:  
# Students, Free:  
# Students, Reduced Price:  
TOTAL  
% School Enrollment:  
Bilingual Program:  
# Eligible Students:  
% School Enrollment:  
METCO Interdistrict Program:  
# Students:  
% School Enrollment:

1973-74  
School District: Medford  
School Name: Hillside  
No. & Street: 15 Capen  
City, State, Zip: Medford, Mass. 02155  
Grade Organization: K-6  
Facilities:  
Initial Construction Date: 1929  
Dates of Additions or Changes:  
# Rooms, Instructional Use: 13  
# Rooms, Other Uses: 8  
TOTAL 21

STAFF ETHNIC CENSUS: 1973-74															
Professional Staff	Census		Age					Years in Present System				Position			
	#	%	Under 26	26-34	35-55	56 & Over	Under 3	3-9	10 & Over	Adminis- trators	Teachers	Teacher Aides	Other Profes- sionals		
TOTAL	12	100.0	5	2	3	1	3	6	2	2	10	0	0		
White	12	100.0	5	2	3	1	3	6	2	2	10	0	0		
Black	0		0	0	0	0	0	0	0	0	0	0	0		
Spanish Surname	0		0	0	0	0	0	0	0	0	0	0	0		
Asian-American	0		0	0	0	0	0	0	0	0	0	0	0		
Native-American	0		0	0	0	0	0	0	0	0	0	0	0		
Other	0		0	0	0	0	0	0	0	0	0	0	0		



School District # 176  
School # 060

STUDENT ETHNIC CENSUS: 1973-74					
	Total	White	Non-white	Non-white	
				Black	Native-American Asian-American Spanish Surname
Number	237	233	4	4	0
Percent	100.0	98.3	1.7	1.7	0

RACIAL CENSUS: 1967-68, 1970-71, 1972-73					
Years	Total Enrollment	White		Non-white	
		#	%	#	%
1967-1968	253	252	99.6	1	0.4
1970-1971	265	265	100.0	0	
1972-1973	244	238	97.5	6	2.5

RACIAL CENSUS: ENROLLMENT CHANGE 1967-1972			
	#	%	% Change in Proportional Distribution
TOTAL	-9	-3.6	
White	-14	-5.6	-2.1
Non-white	+5	+500.0	+525.0

ELIGIBLE TRANSITIONAL BILINGUAL STUDENTS: 1973-74		
Language	Number of Students	Percent of Bilingual Enrollment
TOTAL	0	
Chinese		
French		
Greek		
Italian		
Portuguese		
Spanish		
Other		



School District # 176  
School # 062

1973-74	
School District:	Medford
School Name:	John F. Kennedy Elementary
No. & Street:	215 Harvard
City, State, Zip:	Medford, Mass. 02155
Grade Organization:	K-6
Facilities:	
Initial Construction Date:	1961
Dates of Additions or Changes:	
# Rooms, Instructional Use:	19
# Rooms, Other Uses:	10
TOTAL	29

1973-74	
Federal Programs	
Title I:	
Type of Program:	Reading, Language Arts
# of Students:	54
% School Enrollment:	9.5
Lunch Program:	
# Students, Free:	Included in Lincoln
# Students, Reduced Price:	Junior High
TOTAL	
% School Enrollment:	
Bilingual Program:	
# Eligible Students:	3
% School Enrollment:	0.5
METCO Interdistrict Program:	
# Students:	0
% School Enrollment:	

[illegible]





School District # 176  
School # 062

STUDENT ETHNIC CENSUS: 1973-74						
	Total	White	Non-white	Non-white		
				Black	Native-American	Asian-American
Number	568	566	2	2	0	0
Percent	100.0	99.6	0.4	0.4		
				Spanish Surname		
						0

RACIAL CENSUS: 1967-68, 1970-71, 1972-73					
Years	Total Enrollment		Non-white		
	#	%	#	%	%
1967-1968	506	100.0	0		
1970-1971	482	99.2	4	0.8	
1972-1973	453	99.6	2	0.4	

RACIAL CENSUS: ENROLLMENT CHANGE 1967-1972			
	#	%	% Change in Proportional Distribution
TOTAL	-45	-8.9	
White	-47	-9.3	-0.4
Non-white	+2	Undefined	Undefined

ELIGIBLE TRANSITIONAL BILINGUAL STUDENTS: 1973-74		
Language	Number of Students	Percent of Bilingual Enrollment
TOTAL	3	100.0
Chinese	0	
French	0	
Greek	0	
Italian	3	100.0
Portuguese	0	
Spanish	0	
Other	0	



# METROPOLITAN PLANNING PROJECT/INDIVIDUAL SCHOOL PROFILE

1973-74		School District # 176	
School District:		School # 070	
School Name:		Federal Programs	
No. & Street:		Title I:	
City, State, Zip:		Type of Program:	
Grade Organization:		# of Students:	
Facilities:		% School Enrollment:	
Initial Construction Date:		Lunch Program:	
Dates of Additions or Changes:		# Students, Free:	
# Rooms, Instructional Use:		# Students, Reduced Price:	
# Rooms, Other Uses:		TOTAL	
TOTAL		% School Enrollment:	
		Bilingual Program:	
		# Eligible Students:	
		% School Enrollment:	
		METCO Interdistrict Program:	
		# Students:	
		% School Enrollment:	

1973-74		Medford	
School District:		Osgood	
School Name:		101 Fourth	
No. & Street:		Medford, Mass. 02155	
City, State, Zip:		K-6	
Grade Organization:			
Facilities:		1911	
Initial Construction Date:		1918-27	
Dates of Additions or Changes:		21	
# Rooms, Instructional Use:		10	
# Rooms, Other Uses:		31	
TOTAL			

STAFF ETHNIC CENSUS: 1973-74													
Professional Staff	Census		Age				Years in Present System				Position		
	#	%	Under 26	26-34	35-55	56 & Over	Under 3	3-9	10 & Over	Adminis- trators	Teachers	Teacher Aides	Other Profes- sionals
TOTAL	21	100.0	2	9	8	1	2	7	11	2	18	1	0
White	21	100.0	2	9	8	1	2	7	11	2	18	1	0
Black	0		0	0	0	0	0	0	0	0	0	0	0
Spanish Surname	0		0	0	0	0	0	0	0	0	0	0	0
Asian-American	0		0	0	0	0	0	0	0	0	0	0	0
Native-American	0		0	0	0	0	0	0	0	0	0	0	0
Other	0		0	0	0	0	0	0	0	0	0	0	0





School District # 176  
School # 070

STUDENT ETHNIC CENSUS: 1973-74							
	Total	White	Non-white	Non-white			Spanish Surname
				Black	Native-American	Asian-American	
Number	484	481	3	1	0	0	2
Percent	100.0	99.4	0.6	0.2			0.4

RACIAL CENSUS: ENROLLMENT CHANGE 1967-1972			
	#	%	% Change in Proportional Distribution
TOTAL	+ 58	+ 13.2	
White	+ 60	+ 13.8	+ 0.6
Non-white	- 2	- 33.3	- 42.9

RACIAL CENSUS: 1967-68, 1970-71, 1972-73					
Years	Total Enrollment	White		Non-white	
		#	%	#	%
1967-1968	441	435	98.6	6	1.4
1970-1971	456	454	99.6	2	0.4
1972-1973	499	495	99.2	4	0.8

ELIGIBLE TRANSITIONAL BILINGUAL STUDENTS: 1973-74		
Language	Number of Students	Percent of Bilingual Enrollment
TOTAL	0	
Chinese		
French		
Greek		
Italian		
Portuguese		
Spanish		
Other		



School District #176  
School #075

1973-74	School District:	Medford
	School Name:	Swan Elementary
	No. & Street:	65 Park
	City, State, Zip:	Medford, Mass. 02155
	Grade Organization:	K-6
	Facilities:	
	Initial Construction Date:	1917
	Dates of Additions or Changes:	1962
	# Rooms, Instructional Use:	23
	# Rooms, Other Uses:	13
	TOTAL	36

1973-74	
Federal Programs	
Title I:	
Type of Program:	Reading, Language Arts
# of Students:	124
% School Enrollment:	22.5
Lunch Program:	
# Students, Free:	87
# Students, Reduced Price:	11
TOTAL	98
% School Enrollment:	17.8
Bilingual Program:	
# Eligible Students:	1.2
% School Enrollment:	0.4
METCO Interdistrict Program:	
# Students:	0
% School Enrollment:	

[illegible]



School District #176  
School # 075

## STUDENT ETHNIC CENSUS: 1973-74

	Total	White	Non-white	Non-white				Spanish Surname
				Black	Native-American	Asian-American		
Number	552	549	3	2	0	1		0
Percent	100.0	99.5	0.5	0.4		0.2		

## RACIAL CENSUS: 1967-68, 1970-71, 1972-73

Years	Total Enrollment	White		Non-white	
		#	%	#	%
1967-1968	642	637	99.2	5	0.8
1970-1971	652	649	99.5	3	0.5
1972-1973	611	601	98.4	10	1.6

## RACIAL CENSUS: ENROLLMENT CHANGE 1967-1972

	#	%	% Change in Proportional Distribution
TOTAL	-31	-4.8	
White	-36	-5.7	-0.8
Non-white	+5	+100.0	+100.0

## ELIGIBLE TRANSITIONAL BILINGUAL STUDENTS: 1973-74

Language	Number of Students	Percent of Bilingual Enrollment
TOTAL	2	100.0
Chinese	0	
French	0	
Greek	0	
Italian	1	50.0
Portuguese	0	
Spanish	0	
Other	1	50.0





## METROPOLITAN PLANNING PROJECT/INDIVIDUAL SCHOOL PROFILE

1973-74 Federal Programs		School District # 176 School # 080
Title I:		
Type of Program:		Reading, Language Arts
# of Students:		59
% School Enrollment:		24.3
Lunch Program:		
# Students, Free:		52
# Students, Reduced Price:		2
TOTAL		54
% School Enrollment:		22.2
Bilingual Program:		
# Eligible Students:		0
% School Enrollment:		
METCO Interdistrict Program:		
# Students:		0
% School Enrollment:		

1973-74  
School District: Medford  
School Name: Tufts  
No. & Street: 437 Main  
City, State, Zip: Medford, Mass. 02155  
Grade Organization: K-6  
Facilities:  
Initial Construction Date: 1938  
Dates of Additions or Changes:  
# Rooms, Instructional Use: 13  
# Rooms, Other Uses: 9  
TOTAL 22

[illegible]



School District # 176  
School # 080

STUDENT ETHNIC CENSUS: 1973-74							
	Total	White	Non-white	Non-white			Spanish Surname
				Black	Native-American	Asian-American	
Number	243	238	5	5	0	0	0
Percent	100.0	97.9	2.1	2.1			

RACIAL CENSUS: 1967-68, 1970-71, 1972-73					
Years	Total Enrollment	White		Non-white	
		#	%	#	%
1967-1968	318	316	99.4	2	0.6
1970-1971	292	289	99.0	3	1.0
1972-1973	267	263	98.5	4	1.5

RACIAL CENSUS: ENROLLMENT CHANGE 1967-1972				
TOTAL	#	%	%	% Change in Proportional Distribution
White	-53	-16.8		-0.9
Non-white	+2	+100.0		+150.0

ELIGIBLE TRANSITIONAL BILINGUAL STUDENTS: 1973-74		
Language	Number of Students	Percent of Bilingual Enrollment
TOTAL	0	
Chinese		
French		
Greek		
Italian		
Portuguese		
Spanish		
Other		





School District #176  
School # 085

1973-74	
School District:	Medford
School Name:	Wait
No. & Street:	Powderhouse Road
City, State, Zip:	Medford, Mass. 02155
Grade Organization:	K-6
Facilities:	
Initial Construction Date:	1939
Dates of Additions or Changes:	
# Rooms, Instructional Use:	14
# Rooms, Other Uses:	11
TOTAL	25

1973-74	
Federal Programs	
Title I:	
Type of Program:	
# of Students:	0
% School Enrollment:	
Lunch Program:	
# Students, Free:	3
# Students, Reduced Price:	0
TOTAL	3
% School Enrollment:	1.2
Bilingual Program:	
# Eligible Students:	1
% School Enrollment:	0.4
METCO Interdistrict Program:	
# Students:	0
% School Enrollment:	

[illegible]



School District # 176  
School # 085

STUDENT ETHNIC CENSUS: 1973-74							
	Total	White	Non-white	Non-white			
				Black	Native-American	Asian-American	Spanish Surname
Number	240	235	5	5	0	0	0
Percent	100.0	97.9	2.1	2.1			

RACIAL CENSUS: 1967-68, 1970-71, 1972-73					
Years	Total Enrollment	White		Non-white	
		#	%	#	%
1967-1968	239	206	86.2	33	13.8
1970-1971	231	218	94.4	13	5.6
1972-1973	237	227	95.8	10	4.2

RACIAL CENSUS: ENROLLMENT CHANGE 1967-1972			
	#	%	% Change in Proportional Distribution
TOTAL	-2	-0.8	
White	+21	+10.2	+11.1
Non-white	-23	-69.7	-69.6

ELIGIBLE TRANSITIONAL BILINGUAL STUDENTS: 1973-74		
Language	Number of Students	Percent of Bilingual Enrollment
TOTAL	1	100.0
Chinese	0	
French	0	
Greek	1	100.0
Italian	0	
Portuguese	0	
Spanish	0	
Other	0	



School District #176  
School #405

1973-74  
School District: Medford  
School Name: Hobbs Jr. High  
No. & Street: 25 Auburn  
City, State, Zip: Medford, Mass. 02155  
Grade Organization: 7-8  
Facilities:  
Initial Construction Date: 1925  
Dates of Additions or Changes:  
# Rooms, Instructional Use: 40  
# Rooms, Other Uses: 12  
TOTAL 52

1973-74	
Federal Programs	
Title I:	
Type of Program:	
# of Students:	0
% School Enrollment:	
Lunch Program:	
# Students, Free:	103
# Students, Reduced Price:	0
TOTAL	103
% School Enrollment:	12.8
Bilingual Program:	
# Eligible Students:	1
% School Enrollment:	0.2
METCO Interdistrict Program:	
# Students:	0
% School Enrollment:	

(also includes Brooks School)

[illegible]





STUDENT ETHNIC CENSUS: 1973-74						
Total		White	Non-white	Non-white		
				Black	Native-American	Asian-American
						Spanish Surname
Number	445	396	49	47	0	1
Percent	100.0	89.0	11.0	10.6	0.2	0.2

School District # 176  
School # 405

RACIAL CENSUS: 1967-68, 1970-71, 1972-73					
Years	Total Enrollment	White		Non-white	
		#	%	#	%
1967-1968	676	591	87.4	85	12.6
1970-1971	468	409	87.4	59	12.6
1972-1973	458	392	85.6	66	14.4

RACIAL CENSUS: ENROLLMENT CHANGE 1967-1972			
	#	%	% Change in Proportional Distribution
TOTAL	-218	-32.2	
White	-199	-33.7	-2.1
Non-white	-19	-22.4	+14.3

ELIGIBLE TRANSITIONAL BILINGUAL STUDENTS: 1973-74		
Language	Number of Students	Percent of Bilingual Enrollment
TOTAL	1	100.0
Chinese	0	
French	1	100.0
Greek	0	
Italian	0	
Portuguese	0	
Spanish	0	
Other	0	



School District # 176  
School # 410

1973-74	
School District:	Medford
School Name:	Lincoln Jr. High
No. & Street:	215 Harvard
City, State, Zip:	Medford, Mass. 02155
Grade Organization:	7-8
Facilities:	
Initial Construction Date:	1924
Dates of Additions or Changes:	
# Rooms, Instructional Use:	33
# Rooms, Other Uses:	21
TOTAL	54

1973-74	
Federal Programs	
Title I:	
Type of Program:	
# of Students:	0
% School Enrollment:	
Lunch Program:	
# Students, Free:	110
# Students, Reduced Price:	6
TOTAL	116
% School Enrollment:	11.2
Bilingual Program:	(also includes John F. Kennedy
# Eligible Students:	6
% School Enrollment:	1.3
METCO Interdistrict Program:	
# Students:	0
% School Enrollment:	

[illegible]





School District # 176  
School # 410

## STUDENT ETHNIC CENSUS: 1973-74

	Total	White	Non-white	Non-white		
				Black	Native-American	Asian-American
Number	469	468	1	1	0	0
Percent	100.0	99.8	0.2	0.2		
						Spanish Surname
						0

RACIAL CENSUS: 1967-68, 1970-71, 1972-73					
Years	Total Enrollment	White		Non-white	
		#	%	#	%
1967-1968	669	667	99.7	2	0.3
1970-1971	488	486	99.6	2	0.4
1972-1973	440	438	99.5	2	0.5

RACIAL CENSUS: ENROLLMENT CHANGE 1967-1972			
	#	%	% Change in Proportional Distribution
TOTAL	-229	-34.2	
White	-229	-34.3	-0.2
Non-white	0	0.0	+66.6

ELIGIBLE TRANSITIONAL BILINGUAL STUDENTS: 1973-74		
Language	Number of Students	Percent of Bilingual Enrollment
TOTAL	6	100.0
Chinese	0	
French	0	
Greek	0	
Italian	6	100.0
Portuguese	0	
Spanish	0	
Other	0	



# METROPOLITAN PLANNING PROJECT/INDIVIDUAL SCHOOL PROFILE

School District # 176  
School # 415

1973-74  
School District: Medford  
School Name: Milton Fuller Roberts Jr.  
No. & Street: 35 Court  
City, State, Zip: Medford, Mass 02155  
Grade Organization: 4-8  
Facilities:  
Initial Construction Date: 1927  
Dates of Additions or Changes: 1962  
# Rooms, Instructional Use: 54  
# Rooms, Other Uses: 26  
TOTAL 80

1973-74  
Federal Programs  
Title I:  
Type of Program: \_\_\_\_\_  
# of Students: 0  
% School Enrollment: \_\_\_\_\_  
Lunch Program:  
# Students, Free: 126  
# Students, Reduced Price: 6  
TOTAL 132  
% School Enrollment: 13.0  
Bilingual Program:  
# Eligible Students: 0  
% School Enrollment: \_\_\_\_\_  
METCO Interdistrict Program:  
# Students: 0  
% School Enrollment: \_\_\_\_\_

STAFF ETHNIC CENSUS: 1973-74													
Professional Staff	Census		Age				Years in Present System			Position			
	#	%	Under 26	26-34	35-55	56 & Over	Under 3	3-9	10 & Over	Administrators	Teachers	Teacher Aides	Other Professionals
TOTAL	52	100.0	6	19	17	9	7	20	24	2	45	0	5
White	49	94.2	6	18	15	9	6	20	22	2	42	0	5
Black	2	3.9	0	0	2	0	1	0	1	0	2	0	0
Spanish Surname	0		0	0	0	0	0	0	0	0	0	0	0
Asian-American	0		0	0	0	0	0	0	0	0	0	0	0
Native-American	0		0	0	0	0	0	0	0	0	0	0	0
Other	1	1.9	0	1	0	0	0	0	1	0	1	0	0



STUDENT ETHNIC CENSUS: 1973-74							School District # 176 School # 415	
	Total	White	Non-white	Black	Non-white			Spanish Surname
					Native-American	Asian-American		
Number	1,017	1,003	14	14	0	0	0	0
Percent	100.0	98.6	1.4	1.4				

RACIAL CENSUS: 1967-68, 1970-71, 1972-73					
Years	Total Enrollment	White		Non-white	
		#	%	#	%
1967-1968	972	962	99.0	10	1.0
1970-1971	724	717	99.0	7	1.0
1972-1973	934	926	99.1	8	0.9

RACIAL CENSUS: ENROLLMENT CHANGE 1967-1972			
TOTAL	#	%	% Change in Proportional Distribution
	-38	-3.9	
White	-36	-3.7	-0.1
Non-white	-2	-20.0	-10.0

ELIGIBLE TRANSITIONAL BILINGUAL STUDENTS: 1973-74		
Language	Number of Students	Percent of Bilingual Enrollment
TOTAL	0	
Chinese		
French		
Greek		
Italian		
Portuguese		
Spanish		
Other		





METROPOLITAN PLANNING PROJECT/INDIVIDUAL SCHOOL PROFILE

1973-74 Federal Programs	School District # 176 School # 505
Title I:	
Type of Program:	
# of Students:	0
% School Enrollment:	
Lunch Program:	
# Students, Free:	249
# Students, Reduced Price:	0
TOTAL	249
% School Enrollment:	7.4
Bilingual Program:	
# Eligible Students:	8
% School Enrollment:	0.2
METCO Interdistrict Program:	
# Students:	0
% School Enrollment:	

1973-74 School District:	Medford
School Name:	New Medford High
No. & Street:	489 Winthrop
City, State, Zip:	Medford, Mass. 02155
Grade Organization:	9-12
Facilities:	
Initial Construction Date:	1970
Dates of Additions or Changes:	
# Rooms, Instructional Use:	141
# Rooms, Other Uses:	106
TOTAL	247

STAFF ETHNIC CENSUS: 1973-74													
Professional Staff	Census		Age				Years in Present System			Position			
	#	%	Under 26	26-34	35-55	56 & Over	Under 3	3-9	10 & Over	Administrators	Teachers	Teacher Aides	Other Professionals
TOTAL	214	100.0	17	67	83	29	26	78	92	18	159	2	35
White	206	96.3	16	63	81	28	25	73	90	18	152	2	34
Black	4	2.0	0	1	2	1	2	2	0	0	3	0	1
Spanish Surname	0		0	0	0	0	0	0	0	0	0	0	0
Asian-American	0		0	0	0	0	0	0	0	0	0	0	0
Native-American	0		0	0	0	0	0	0	0	0	0	0	0
Other	1	1.0	0	1	0	0	0	0	1	0	1	0	0



School District # 176  
School # 505

STUDENT ETHNIC CENSUS: 1973-74							
	Total	White	Non-white	Non-white			
				Black	Native-American	Asian-American	Spanish Surname
Number	3,351	3,229	122	113	0	9	0
Percent	100.0	96.4	3.6	3.4		0.3	

RACIAL CENSUS: 1967-68, 1970-71, 1972-73					
Years	Total Enrollment	White		Non-white	
		#	%	#	%
1967-1968	2,028	1,967	97.0	61	3.0
1970-1971	3,196	3,080	96.4	116	3.6
1972-1973	3,414	3,276	96.0	138	4.0

RACIAL CENSUS: ENROLLMENT CHANGE 1967-1972			
	#	%	% Change in Proportional Distribution
TOTAL	+1,386		+68.3
White	+1,309		+66.5
Non-white	+77		+126.2
			+33.3

FOLLOW UP OF HIGH SCHOOL GRADUATES: 1968, 1972				
Post High School Placement	Class of			
	1968		1972	
	#	%	#	%
4-yr. State College	56	9.6	96	14.5
4-yr. Other College	100	17.1	96	14.5
2-yr. State College	15	2.6	34	5.2
2-yr. Other College	15	2.6	15	2.3
Nurses Training	10	1.7	14	2.1
Other Post Secondary	101	17.2	69	10.5
Military	22	3.8	20	3.0
Work	235	40.1	256	38.8
Other	32	5.5	60	9.1
TOTAL	586	100.0	660	100.0

ELIGIBLE TRANSITIONAL BILINGUAL STUDENTS: 1973-74		
Language	Number of Students	Percent of Bilingual Enrollment
TOTAL	8	100.0
Chinese	0	
French	5	62.5
Greek	1	12.5
Italian	1	12.5
Portuguese	0	
Spanish	0	
Other	1	12.5





School District # 176  
School # 605

1973-74

School District:	Medford
School Name:	Medford Vocational Tech. High
No. & Street:	Winthrop
City, State, Zip:	Medford, Mass. 02155
Grade Organization:	9-12
Facilities:	
Initial Construction Date:	1969
Dates of Additions or Changes:	
# Rooms, Instructional Use:	27
# Rooms, Other Uses:	18
TOTAL	45

1973-74	
Federal Programs	
Title I:	
Type of Program:	
# of Students:	0
% School Enrollment:	
Lunch Program:	
# Students, Free:	
# Students, Reduced Price:	
TOTAL	0
% School Enrollment:	
Bilingual Program:	
# Eligible Students:	0
% School Enrollment:	
METCO Interdistrict Program:	
# Students:	0
% School Enrollment:	

[illegible]



STUDENT ETHNIC CENSUS: 1973-74							School District # 176 School # 605	
Total		White	Non-white	Non-white				
				Black	Native-American	Asian-American	Spanish Surname	
Number	467	464	3	2	0	1	0	
Percent	100.0	99.4	0.6	0.4		0.2		

RACIAL CENSUS: 1967-68, 1970-71, 1972-73					
Years	Total Enrollment	White		Non-white	
		#	%	#	%
1967-1968	249	242	97.2	7	2.8
1970-1971	409	402	98.3	7	1.7
1972-1973	445	437	98.2	8	1.8

RACIAL CENSUS: ENROLLMENT CHANGE 1967-1972			
	#	% Change in Proportional Distribution	
		%	
TOTAL	+196	+78.7	
White	+195	+80.6	+1.0
Non-white	+1	+14.3	-35.7

Post High School Placement	Class of			
	1968		1972	
	#	%	#	%
4-yr. State College	N.A.		0	
4-yr. Other College	N.A.		0	
2-yr. State College	N.A.		0	
2-yr. Other College	N.A.		0	
Nurses Training	N.A.		0	
Other Post Secondary	N.A.		3	3.2
Military	N.A.		3	3.2
Work	N.A.		87	91.6
Other	N.A.		2	2.1
TOTAL	N.A.		95	100.0

ELIGIBLE TRANSITIONAL BILINGUAL STUDENTS: 1973-74		
Language	Number of Students	Percent of Bilingual Enrollment
TOTAL	0	
Chinese		
French		
Greek		
Italian		
Portuguese		
Spanish		
Other		



# METRO WAYS TO UNDERSTANDING

A PLAN FOR THE VOLUNTARY ELIMINATION OF  
RACIAL AND ETHNIC ISOLATION IN THE SCHOOLS  
OF THE BOSTON METROPOLITAN AREA

COMMITTEE ON RACIAL AND ETHNIC ISOLATION IN THE SCHOOLS OF THE BOSTON METROPOLITAN AREA

REPORT OF THE COMMITTEE TO THE BOSTON METROPOLITAN PLANNING PROJECT

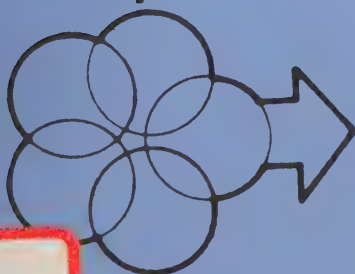
THE BOSTON METROPOLITAN PLANNING PROJECT

## VOLUME III

## COMMUNITY PROFILES

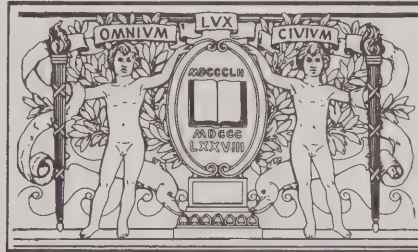
CITY OF  
MELROSE

THE BOSTON METROPOLITAN PLANNING PROJECT



THE METROPOLITAN PLANNING PROJECT





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METRO WAYS TO UNDERSTANDING:

A Plan for the Voluntary Elimination of  
Racial and Ethnic Isolation in the Schools of  
The Boston Metropolitan Area

VOLUME III THE COMMUNITY PROFILES

Community Profile # 178  
City of Melrose

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1973-74

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## ABSTRACT

The Metropolitan Planning Project is a collaborative effort of 17 school districts supported by an additional 39 approving school districts within the Boston Metropolitan Area. Its mandate is to develop a Ten Year Plan for the phased elimination of racial and ethnic isolation in the area's schools through voluntary school district collaboration. The Project is funded by the U.S. Office of Education under the Emergency School Aid Act of 1972.

METROWAYS TO UNDERSTANDING: A Plan for the Voluntary Elimination of Racial and Ethnic Isolation in the Schools of the Boston Metropolitan Area is a phased Ten Year Plan which is a result of the process that the Metropolitan Planning Project has undergone during this year of planning. The Project has worked to achieve effective community participation in an effort to design quality learning environment programs for students. As a result of a city and suburban exchange of ideas, the Metropolitan Planning Project has helped to promote the development of over 78 proposals in 32 cities and towns for the design of new innovative learning environments. With a \$300,000 allocation for pilot programming, 14 pilot projects were funded to test MPP objectives. The projects included students from pre-kindergarten through high school age. The focus ranged from American history, art, ecology, energy, comparative life styles to Afro-American, Hispanic, Native-American, and Chinese-American cultures.

The Project has also compiled extensive data on the educational, demographic, housing, fiscal, socioeconomic, land use and ethnic and racial characteristics of the 78 towns and cities in the greater Boston standard metropolitan statistical area (SMSA). This information was developed as a needs analysis and resource inventory and has been utilized in the development of the recommended educational programs. It provides the basis for program implementation. The Ten Year Plan METROWAYS TO UNDERSTANDING is aimed at promoting voluntary collaboration between urban and suburban school districts and includes the involvement of students, parents, teachers, school principals, superintendents, community organizations and others concerned with education.

During the 1974-75 school year, the Metropolitan Planning Project will pilot some of the policy recommendations developed through this participatory planning process. These recommendations include:

METROPATHWAYS - Quality innovative educational programs which will be accessible to secondary school students of different socio-economic, racial, and ethnic background within the metropolitan area by utilizing mass transit routes.

METROPAIRWAYS - Parents and school personnel from pairs or triads of city and suburban districts will meet to formulate educational programs of equal benefit to the students. Learning centers will be developed in two or three schools and each will serve as a supplement to the educational quality of each individual school.

METROETHNIC HERITAGE RESOURCE CENTERS - These will be coordinated within METROCENTER and will promote the study, compilation, production and distribution of materials and information related to minorities and ethnic groups of the SMSA. It will also be an action program for the development of other resource centers in the metropolitan area.

METROCENTER FOR COMMUNICATIONS, COUNSELLING, AND RESOURCE DEVELOPMENT - This center will coordinate the metropolitan educational programs and serve as an information and resource "bank" for students, parents, community groups and educators throughout the metropolitan area who wish to be involved in urban-suburban educational programs and staff development programs aimed at eliminating racial and ethnic isolation of students.

#### ACKNOWLEDGEMENT

I wish to thank Dr. Forbes Bottomly for his encouragement and support of this research approach; Edward Feinman and Leslie S. May who, together with the Support Research Staff and myself, developed the analyses in Volume II RESOURCES FOR IMPLEMENTATION and Volume III COMMUNITY PROFILES. Our grateful appreciation to Mrs. Helen Taggart who formatted and typed the research materials.

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Dr Forbes Bottomly

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## INTRODUCTION TO THE NOTES AND SOURCES FOR THE COMMUNITY PROFILES

The Community Profiles were developed for the 78 municipalities that comprise the study area of the Metropolitan Planning Project (MPP). The study area is defined as the 1963 Boston standard metropolitan statistical area (SMSA) boundaries. The Profiles were prepared to meet the mandate of Objective B of the Support Research component of the MPP proposal. This mandate is:

To develop profiles and analysis of social, ethnic, economic, and educational characteristics of the metropolitan area and of its individual communities.

The purpose of these profiles are to serve as the data base for the Ten Year Plan and to develop information for the implementation of educational programs through the analyses of the interaction between the education system and related urban functional systems.

A Community Profile was developed for each of the following cities and towns:

Arlington	Lexington	Randolph
Ashland	Lincoln	Reading
	Lynn	Revere
Bedford	Lynnfield	Rockland
Belmont		
Beverly	Malden	Salem
Boston	Manchester	Saugus
Braintree	Marblehead	Scituate
Brookline	Marshfield	Sharon
Burlington		Sherborn
	Medfield	Somerville
Cambridge	Medford	Stoneham
Canton	Melrose	Sudbury
Chelsea	Middleton	Swampscott
Cohasset	Millis	
Concord	Milton	Topsfield
Danvers	Nahant	Wakefield
Dedham	Natick	Walpole
Dover	Needham	Waltham
Duxbury	Newton	Watertown
	Norfolk	Wayland
Everett	North Reading	Wellesley
	Norwell	Wenham
Framingham	Norwood	Weston
		Westwood
Hamilton	Peabody	Weymouth
Hanover	Pembroke	Wilmington
Hingham		Winchester
Holbrook	Quincy	Winthrop
Hull		Woburn



There are also Profiles for each of the following regional school districts:

Dover-Sherborn  
Experimental School System of the Commonwealth of Massachusetts  
Hamilton-Wenham  
Lincoln-Sudbury  
North Shore Regional Vocational

The information in the Community Profiles assess the needs and resources of each community. It is helpful in planning for the future of each school system as well as in the development of educational curricula and programs. These will utilize school and community based resources for metropolitan educational programs for the elimination of racial and ethnic student isolation in the school districts of the SMSA. More detailed analyses of each of these communities, including a series of tables comparing these school districts and an "Analyses of Grouped Communities", are found in earlier Volumes.

These notes were prepared so that persons interested in obtaining further detailed information or in updating present data can easily do so. The source of the information and where it is located is given for each table. Non-classified government information is available by public law to all persons. This includes individual public school records as well as municipal, county, state, and federal data.

There are two sections of the Community Profiles. The first section, Community Profiles, displays educational and educational-related information about the community. The second section, Individual School Profiles, displays educational information about each individual school in the district. The page number at the beginning of a table corresponds to the page number of the Community Profile. Each Individual School Profile is 2 pages and notes for the tables are consistent with this format.

## NOTES AND SOURCES FOR THE COMMUNITY PROFILES

### EDUCATIONAL CHARACTERISTICS

#### PAGE 1 - NUMBER OF SCHOOLS AND ENROLLMENT

By Type of School: 1973-74

The information on the total number of schools in a school district, as well as the number of Elementary, Junior High, High Schools, Special and Ungraded, Regional, and Vocational Schools in a district, were obtained from the Massachusetts State Department of Education, Bureau of Educational Information Services, Massachusetts School Directory 1973-74. This publication lists the name, address, and grade organization of each school in the Commonwealth. It notes which schools are Special, Ungraded, Regional, or Vocational. Elementary Schools are those schools composed of one or all the grades K through 5 or grades K through 6. Junior High Schools are those schools composed of one or all the grades 6 through 8; schools with grades 5-6, 5-7, 5-8, and 7-9 are counted as Junior High Schools. High Schools are those schools composed of one or all of the grades 9 through 12.

The "Total", "White", and "Non-white" enrollments for each type of school were obtained from a survey conducted by the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Enrollment by Classification, Exhibit II, 1973-74. The enrollments for all Elementary Schools, Junior High Schools, High Schools, Special and Ungraded Schools, Regional Schools, and Vocational Schools in a school district which is recorded in this table were totalled by the Metropolitan Planning Project (MPP) support research staff.

#### PAGE 1 - SCHOOL ATTENDING CHILDREN IN PUBLIC and Non-public Schools

This information was obtained from the Commonwealth of Massachusetts, Annual Report of the State Department of Education for the Year Ending June 30, 1968; Annual Report ... June 30, 1971; and Annual Report ... June 30, 1973. The percentage of "Public" and "Non-public" school attending children were calculated by the MPP support research staff.

#### PAGE 1 - EDUCATIONAL COLLABORATIVE PARTICIPATION 1973-74

The educational collaboratives listed in this table were found in the following sources:

The Massachusetts State Department of Education, Bureau of Educational Information Services, Massachusetts School Directory, 1973-74; Institute for Educational Services, Inc., "Survey on Collaboration", 1971;

Metropolitan Planning Project Support Research Component Telephone Survey, 1974;

Massachusetts State Department of Education, Division of Curriculum and Instruction, Kaleidescope 7, 1973,

Other educational collaboratives in the Boston metropolitan area were not available from these sources.

PAGE 1 - 1970 CENSUS: SCHOOL ENROLLMENT FOR  
Level and Type of School by Race  
(Population 3 - 34 years)

This information was obtained from the United States Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing. U.S. Census information is available in published monographs, which are available at libraries and governmental agencies, and on computer tapes. The data on computer tape is organized into sequences and each sequence is referred to as a "count". Within each "count", the data is subdivided into tables, and each table has been given a number and title. The information in this table was obtained from the 4th Count Population Summary Tapes for Massachusetts, Table 38, "Population 3 Years Old and Over Enrolled in School by Level and Type of School." This information was based on a 15 percent sample survey. The percentages may not add up to 100 percent because of rounding. An N.A. indicates that this information was not available for the school district. The "Spanish-American" category includes people who are both "White" and "Black" according to the Census definition so that the total of the "White", "Black" and "Spanish-American" columns will never equal the "Total" population column.

PAGE 1 - FEDERALLY-FUNDED PROGRAMS: 1973-74

The information on Title I students in each school district was obtained from the Massachusetts State Department of Education, Division of Curriculum and Instruction, Bureau of Curriculum Services, Title I ESEA, "Unpublished Title I Program Documents, 1973-74". The Title III information was obtained from the Massachusetts State Department of Education, Division of Curriculum and Instruction, Bureau of Curriculum Services, Title III ESEA, Kaleidescope 7, 1973 and the Metropolitan Planning Project support research staff telephone survey of Title III Program Directors, July-August, 1974. The percent total enrollment was calculated by dividing the number of students in Title I and III programs by the total number of students in the district during the 1973-74 school year. The total number of students was obtained from the Massachusetts



State Department of Education, Division of Research, Planning, and Evaluation, Enrollment by Classification, Exhibit II, 1973-74. This is the same total that appears in the "Student Ethnic Census: 1973-74" table on page 2.

The Title I and Title III programs are funded by the U.S. Office of Education and were enacted by the U.S. Congress as part of the 1965 Elementary and Secondary Education Act (ESEA). The Title I program provides assistance for "educationally deprived and neglected and delinquent children." The Title III program "supports proposals to advance creativity in education."

#### PAGE 2 - RACIAL CENSUS: 1967-68; 1970-71; 1972-73

The information on the "Total", "White", and "Non-white" enrollments for these three school years was obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Racial Census, October, 1967; Racial Census, October, 1970; and Racial Census, October, 1972. The Racial Census does not indicate which students were considered "White" and which were considered "Non-white".

#### PAGE 2 - RACIAL CENSUS: ENROLLMENT CHANGE 1967-1972

These figures were calculated from the previous table by the MPP support research staff. The figures under the number sign (#) column were calculated by subtracting from the "Total", "White" or "Non-white" enrollment for the 1972-73 school year the "Total", "White" or "Non-white" enrollment for the 1967-68 school year. For example, if the 1972-73 total enrollment was 100 students and the 1967-68 enrollment was 50 students, the enrollment change would be +50(100-50) and this figure would appear in the appropriate box. The figures under the percent (%) column were derived by dividing the difference between the 1972-73 and 1967-68 enrollment by the 1967-68 enrollment. If the difference, for example, between the 1972-73 and 1967-68 enrollments was +50 and the 1967-68 enrollment was 50, the percent change would be +100 (+50/50). The figures under the "% Change in Proportional Distribution" column were calculated as follows:

The "% White" (or "% Non-white") for 1972-73 was subtracted from the "% White" (or "% Non-white") for 1967-68.

This difference was divided by the "% White"(or "% Non-white") for 1967-68 and this is the figure that was recorded. For example, if the "% White" in 1967-68 was 75% and the "% White" in 1972-73 was 50%, the "% Change in Proportional Distribution" would be calculated as follows:  
$$(50-75)/75 = (-25)/75 = -0.33.$$

Since the percent "Total Enrollment" is always 100%, no "% Change in Proportional Distribution" was calculated or recorded for "Total Enrollment". If there is a percent change from 0 to any number the "% Change in Proportional Distribution" is mathematically undefined. This is noted by the word "Undefined".

PAGE 2 - STUDENT ETHNIC CENSUS: 1973-74

This information was obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Enrollment by Classification, Exhibit II, 1973-74. The figures in the "White" column include white students and students of racial backgrounds other than "Black", "Native-American", "Asian-American", and "Spanish Surname". "Spanish Surname" students were placed in the "Non-white" category.

PAGE 2 - FOLLOW-UP OF HIGH SCHOOL GRADUATES: 1968; 1972

The information on the post high school placement of 1968 graduates was obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Distribution of Graduating Class, 1969. The number of students in each of the various placement categories may not equal the total number of high school graduates because information on all placements was not available. Some of the school districts are members of regional high schools so that information on their high school students would be included in the regional high school data. There is, therefore, no information recorded for the following school districts (the name of the regional high school their students attend is in parentheses):

Concord (Concord-Carlisle Regional High School)  
Dover (Dover-Sherborn Regional High School)  
Hamilton (Hamilton-Wenham Regional High School)  
Lincoln (Lincoln-Sudbury Regional High School)  
Middleton (Masconomet Regional High School)  
Nahant (all Nahant high school students attend high schools in Lynn)  
Norfolk (King Philip Regional High School)  
Sherborn (Dover-Sherborn Regional High School)  
Sudbury (Lincoln-Sudbury Regional High School)  
Topsfield (Masconomet Regional High School)  
Wenham (Hamilton-Wenham Regional High School)

If there was no information available on high school graduates in a particular district, this is noted by an N.A. in the first column (under the # sign). The information on the 1972 graduates was obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Distribution of High School Graduates, Class of 1972, Fall 1973. The districts which sent their high school students to regional schools in 1968 remained the same and, therefore, no information on 1972 high school graduates for these districts is recorded. In addition to these districts, there will be no information for Pembroke since their high school students now attend Silver Lake Regional High School. The percentages in the 1972 column may not add up to 100% because of rounding.



PAGE 2 - ELIGIBLE TRANSITIONAL BILINGUAL STUDENTS: 1973-74

The number of students eligible for a transitional bilingual program was obtained from the Massachusetts State Department of Education, Bureau of Transitional Bilingual Education, Census of Children of Limited English Speaking Ability on October 1, 1973, under Chapter 71A, Act of 1971. This Census of all public school students is conducted each year in order to determine how many students are of limited English speaking ability as defined in Chapter 71A and, thus, eligible for transitional bilingual classes. The "Percent of Bilingual Enrollment" was calculated by the MPP support research staff by dividing the number of students in each language category, such as "Chinese" or "French" by the "Total" number of eligible bilingual students.

PAGE 3 - PUBLIC SCHOOL STUDENT ENROLLMENTS: 1964 - 1982

Past Enrollments: 1964 - 1972

Projected Enrollments: 1973 - 1982

This information was prepared for the Metropolitan Planning Project by the Organization for Social and Technical Innovation, Inc. (OSTI).

These enrollment projections are based on time-series enrollment data from 1964 through 1972, obtained from the Massachusetts State Department of Education, Division of Research, Planning and Evaluation. The source of the historical enrollment data for the forecast categories "Total K-12", "Total K-6", "Total 7-12", "White K-12" and "Non-white K-12" was the superintendent's report entitled Census Report.

The numbers in parentheses under each forecast category represents the  $R^2$  (coefficient of determination) for that particular projected enrollment series. It is presented to indicate a rough sense of the reliability of each forecast --  $R^2$ 's of .8 or .9 are very reliable,  $R^2$ 's of .5, .6, or .7 are good, and  $R^2$ 's of .4 or less are unreliable. When the projections for subcategories (for example, "White K-12" and "Non-white K-12" are subcategories of "Total K-12") are totaled, they do not necessarily equal the projected enrollment figures for the total category. This is because each forecast category was projected independently from the others and the projections selected are not necessarily each derived from the same mathematical equation, since the best projection was selected for each forecast category largely independent of the projections selected for other forecast categories.

School districts with no projections presented or particular forecast categories left blank means the projection here was entirely unsuccessful, sometimes for mathematical reasons, sometimes because of missing years of historical data, and sometimes because of almost certain incorrect historical enrollment data.

PAGE 4 - NUMBER OF TEACHERS BY RACE: 1972-73

This information was obtained from the U.S. Department of Health, Education, and Welfare, Office for Civil Rights, Directory of Public Elementary and Secondary

Schools in Selected Districts, Enrollment and Staff by Racial/Ethnic Group, Fall, 1974. Since this information was collected from selected school districts, data was only available for 68 of the 83 Boston metropolitan area districts. MPP support research staff contacted the remaining districts to complete the survey. The following school districts provided this information:

Cohasset  
Dover  
Dover-Sherborn Regional High School  
Experimental School System of the Commonwealth of Massachusetts  
Hamilton-Wenham Regional High School  
Holbrook  
Manchester  
Nahant  
Topsfield  
Wenham

An N.A. indicates that this information was not available for the school district. Spanish Surname teachers were placed in the "Non-white" category.

PAGE 4 - NUMBER OF TEACHERS, TEACHER-AIDES, AND OTHER PROFESSIONAL STAFF: 1973-74

This information was obtained from the U.S. Equal Employment Opportunity Commission, Elementary-Secondary Staff Information (EEO-5), October 1, 1973. Since this information was collected on a selected school district basis, the MPP support research staff surveyed the remaining districts to obtain this information. The following school districts provided this information:

Ashland  
Beverly  
Braintree  
Cohasset  
Experimental School System of the Commonwealth of Massachusetts  
Framingham  
Hamilton-Wenham Regional High School  
Manchester  
Medfield  
Medford  
Middleton  
Millis  
Nahant  
Norfolk  
Pembroke  
Saugus  
Sherborn  
Sudbury  
Topsfield  
Walpole

The "Other Professional Staff" category include the following staff positions: Officials, Administrators, Managers, Principals, Assistant Principals, Guidance Personnel, Psychologists, Librarians, Supervisors of Instruction, and all other professional staff. An N.A. indicates that this information was not available for the school district.

#### PAGE 5 - SELECTED FINANCIAL CHARACTERISTICS

The information on "% Municipal Tax Dollar Spent on Education" was obtained from the Commonwealth of Massachusetts, Annual Report of the Department of Education for the Year Ending June 30, 1968; Annual Report ... June 30, 1971; Annual Report ... June 30, 1973.

The "% Municipal Tax Dollar Spent on Education" was calculated by the MPP support research staff by dividing the school tax rate by the general tax rate. For example, if the school tax rate in a town was \$24 and the total tax rate was \$48, the "% Municipal Tax Dollar Spent on Education" would be 50% (24/48).

The information on "Comprehensive Per Pupil Expenditure" was obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Per Pupil Expenditures 1967-68; Per Pupil ... 1970-71; Per Pupil ... 1972-73. This per pupil expenditure is the integrated per pupil cost for the Regular Day, Vocational Day, and Special Education Programs and pro-rated Regional School Expenditures divided by the average membership of students in those programs.

The information on "Public School Attending Children Transported at Public Expense" was obtained from the Commonwealth of Massachusetts, Annual Report of the Department of Education for the Year Ending June 30, 1968; Annual Report ... June 30, 1971; Annual Report ... June 30, 1973. Discrepancies may appear in this table because the data received was unaudited.

The information on "Computative Equalized Property Valuation per School Attending Child" was obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, School Aid to Massachusetts Cities and Towns, (Chapter 70 Amended), 1967-68; School Aid ... 1970-71; School Aid ... 1972-73. Computative equalized property valuation for any one year is equal to the equalized property valuation the previous calendar year divided by the number of school attending children for that school year. For example, the computative equalized valuation for 1967-68 is derived by dividing the equalized property valuation for 1966 by the number of school attending children for 1967-68.

#### PAGE 5 - TAX RATE

This information was obtained from the Massachusetts Teachers Association, Background Data for Massachusetts School Districts 1973, Research Bulletin 734-9, 1973. The official tax rate is equal to a city or town's budget needs divided by the assessed value (tax rate=budget needs/assessed value). The equalized



tax rate is equal to the town's budget needs divided by the true market value of property in a city or town, as determined by the Massachusetts Department of Corporations and Taxation (equalized tax rate=budget needs/full market value). The tax rate indicates the number of dollars per \$1,000 of assessed valuation a person or corporation would be taxed on property owned.

#### PAGE 5 - SCHOOL TAX RATE

This information was obtained from the Massachusetts Teachers Association, Background Data for Massachusetts School Districts 1973, Research Bulletin 734-9, 1973. The official school tax rate is equal to a city or town's school budget needs divided by the assessed value (school tax rate=school budget needs/assessed value). The equalized school tax rate is equal to the town's school budget needs divided by the true market value of property in a city or town, as determined by the Massachusetts Department of Corporations and Taxation (equalized school tax rate=school budget needs/full market value). The school tax rate indicates the number of dollars per \$1,000 of assessed valuation a person or corporation would be taxed on property owned.

#### PAGE 5 - 1973 MOODY'S BOND RATING

This information was obtained from Moody's Investor Service, Moody's Bond Record, December 1973. The bonds were rated by Moody's Investor Service in the following order, with the first rating assigned to the bonds judged to be of highest quality and the last rating assigned to bonds judged to be of lowest quality:

Aaa	Baa	Caa
Aa	Ba	Ca
A	B	C

The bonds in the A and Baa groups which Moody's determined had the strongest investment attributes were designated by the symbols A-1 and Baa-1.

#### PAGE 5 - PUBLIC SCHOOL STUDENTS Receiving Subsidized Lunches: 1973-74

This information was obtained from the Massachusetts State Department of Education, Bureau of Nutrition Education and School Food Services Education, "Average Number of Lunches Served to Needy". The figures in this table was calculated by taking the number of needy students served lunches in a school during the month of January, 1974 and dividing this number of the number of days schools were opened that month. The average number of lunches served per day in each school were totalled by the MPP support research staff to develop the school district totals.

The "% of Total Enrollment" was calculated by dividing the number of lunch program students by the 1973-74 total school district enrollments obtained from the Massachusetts State Department of Education, Division of Research, Planning and Evaluation, Enrollment by Classification, Exhibit II, 1973-74.

PAGE 5 - STUDENTS ENROLLED IN METCO

The information on the number of METCO (Metropolitan Council for Educational Opportunities, Inc.) students during the 1967-68 school year was obtained from the Massachusetts State Department of Education, Bureau of Equal Education Opportunity, "Recommendations for Funding of Plans Submitted Under Chapter 506 of the Acts of 1966," 1968. The 1970-71 information was obtained from the Massachusetts State Department of Education, Bureau of Equal Educational Opportunity, "Fiscal Report, METCO 1970-71 Program". The 1972-73 information was obtained from the Massachusetts State Department of Education, Bureau of Equal Educational Opportunity, "Memorandum to Rae Cecilia Kipp [Chairman, State Board of Education] from Charles L. Glenn and Cecilia M. DiBella, August 22, 1972. Subject: METCO Program for 1972-73." The information for the 1973-74 school year was obtained from the METCO files "Unpublished Student Enrollment Records", August, 1974. This information was obtained on a school by school basis; the schools figures were totalled by the MPP support research staff to develop the school district totals.

The "% of Total Enrollment" for the 1967-68; 1970-71; and 1972-73 school years were calculated by dividing the number of METCO students by the total number of students for that particular year. The total number of students for those school years were obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Racial Census, October, 1967; Racial ... 1970; Racial ... 1973. The "% of Total Enrollment" for the 1973-74 school year was calculated by dividing the "# METCO Students" by the 1973-74 district enrollments obtained from the Massachusetts Department of Education, Division of Research, Planning and Evaluation, Enrollment by Classification, Exhibit II, 1973-74. METCO is a state funded interdistrict transfer program which transports children from Boston to suburban school districts.

PAGE 6 - PERCENT DISTRIBUTION OF SCHOOL REVENUES: 1967-68; 1970-71; 1972-73

This information was obtained from the Commonwealth of Massachusetts, Annual Report of the Department of Education for the Year Ending June 30, 1968; Annual Report ... June 30, 1971; Annual Report ... June 30, 1973. The percentages were calculated by the MPP support research staff. The percentages may not add up to 100 percent because of rounding.

PAGE 6 - ABSOLUTE DOLLAR AND PERCENT CHANGES IN REVENUES: 1967-72

These figures were calculated from the previous table. The dollar (\$) "Changes in Public School Funds Provided 1967-72" were calculated by subtracting the 1972-73 dollar amounts for "Total Funds Provided", "Local Sources", and remaining categories from the 1967-68 dollar amounts. For example, if the total public school funds provided in 1972-73 were \$100,000 and the funds provided in 1967-68 were \$50,000, the absolute dollar change in revenues would be \$50,000 (\$100,000-\$50,000). The percent changes in revenues was calculated by dividing the difference



between the 1972-73 and 1967-68 funds provided by the 1967-68 amount. For example, if the 1972-73 total funds provided were \$100,000 and the 1967-68 funds provided were \$50,000, the percent "Change in Funds Provided" would be equal to  $(\$100,000 - \$50,000) / \$50,000 = \$50,000 / \$50,000 = +100\%$ . If there were no funds provided during 1967-68 for any of the categories, the percent change in revenues is mathematically undefined. This is noted by the word Undefined.

PAGE 6 - PERCENT CHANGE IN PROPORTIONAL DISTRIBUTION OF REVENUES: 1967-72

These figures were calculated from the first table on page 6. The "Percent Change in Proportional Distribution of Revenues" was derived as follows:

The percent of revenues from "Local Sources", "Commonwealth Sources", and remaining categories for the 1967-68 school year was subtracted from the 1972-73 school year figures then this difference was divided by the percent "Local Sources", "Commonwealth Sources", and remaining categories for the 1967-68 school year.

For example, if the percent of revenues from local sources in 1967-68 were 50% and the percent of revenues from local sources in 1972-73 were 75%, the "Percent Change in Proportional Distribution of Revenues: 1967-72" would equal  $(75-50)/50 = 25/50 = +50\%$ . If there is a percent change from 0 to any number, the "Percent Change in Proportional Distribution" is mathematically undefined. This is noted by the word Undefined.

PAGE 7 - PERCENT DISTRIBUTION OF SCHOOL EXPENDITURES: 1967-68; 1970-71; 1972-73

This information was obtained from the Commonwealth of Massachusetts, Annual Report of the Department of Education for the Year Ending June 30, 1968; Annual Report ... June 30, 1971; Annual Report ... June 30, 1973. The percentages were calculated by the MPP support research staff. The percentages may not add up to 100 percent because of rounding.

PAGE 7 - ABSOLUTE DOLLAR AND PERCENT CHANGES IN EXPENDITURES: 1967-72

These figures were calculated from the previous table. The dollar (\$) "Changes in Public School Funds Expended 1967-72" were calculated by subtracting the 1972-73 dollar amounts for "Total Public School Funds Applied", "Administration", and remaining categories from the 1967-68 dollar amounts. For example, if the "Total Public School Funds Applied" in 1972-73 were \$100,000 and the funds applied in 1967-68 were \$50,000, the absolute dollar change in expenditures would be \$50,000  $(\$100,000 - \$50,000)$ . The percent changes in expenditures was calculated by dividing the difference between the 1972-73 and 1967-68 funds expended by the 1967-68 amount. For example, if the 1972-73 total funds expended were \$100,000 and the 1967-68 funds expended were \$50,000, the percent "Changes in Public School Funds Expended" would be equal to  $(\$100,000 - \$50,000) / \$50,000 = \$50,000 / \$50,000 = +100\%$ . If there were no funds provided during 1967-68 for any of the categories, the percent change in expenditures is mathematically undefined. This is noted by the word Undefined.

PAGE 7 - PERCENT CHANGE IN PROPORTIONAL DISTRIBUTION OF EXPENDITURES: 1967-72

These figures were calculated from the first table on page 7. The "Percent Change in Proportional Distribution of Expenditures" was derived as follows:

The percent of expenditures from "Administration", "Instruction", and remaining categories for the 1967-68 school year was subtracted from the 1972-73 school year figures. Then this difference was divided by the percent "Administration", "Instruction", and remaining categories for the 1967-68 school year.

For example, if the percent of expenditures for "Administration" in 1967-68 were 50% and the percent of expenditures for "Administration" in 1972-73 were 75%, the "Percent Change in Proportional Distribution of Expenditures: 1967-72" would equal  $(75-50)/50 = 25/50 = +50\%$ . If there is a percent change from 0 to any number, the "Percent Change in Proportional Distribution of Expenditures" is mathematically undefined. This is noted by the word Undefined.

PAGE 8 - 1970 CENSUS: COUNT OF PERSONS 25 YEARS OF AGE AND OVER BY RACE AND YEARS OF SCHOOL COMPLETED.

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 42, "Population 25 Years Old and Over by Years of School Completed and Sex". This information was based on a 20% sample survey. The "Spanish-American" category includes people who are both "White" and "Black" according to the Census definition so that the total of the "White", "Black" and "Spanish-American" columns will never equal the "Total Population" column. The "White" and "Black" figures may not equal the "Total Population" column because they do not include people of other racial backgrounds such as Asian-American and Native-American.

PAGE 8 - MEDIAN SCHOOL YEARS COMPLETED

This information was calculated from the previous table, "1970 Census: Count of Persons 25 Years of Age and Over by Years of School Completed". This calculation was performed by the Massachusetts Institute of Technology (M.I.T.) Information Processing Center.

DEMOGRAPHIC CHARACTERISTICS

PAGE 9 - CENSUS POPULATION BY RACE AND SPANISH LANGUAGE: 1960; 1970

The information on the 1960 population was obtained from the U.S. Department of Commerce, Bureau of the Census, 1960 Census of Population, Volume I, Characteristics of the Population, Part 23, Massachusetts, Tables 21, 25. This monograph

is available at libraries and governmental agencies. The "Asian-American" category includes only Chinese, Japanese, and Filipino. The percentages may not add up to 100 percent because of rounding.

The 1970 population figures were obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population, General Social and Economic Characteristics, Massachusetts, PC (1) - C23, Tables 81, 102 and 1970 Census of Population, General Population Characteristics, Massachusetts, PC (1) - B23, Tables 23, 27, 31. The "Asian-American" category includes only Chinese, Japanese and Filipino. The "Other" category includes Hawaiians, Koreans, Aleuts, Eskimos, Malaysians, and Polynesians. The "Spanish Language" data was obtained from the 1970 U.S. Census "Persons of Spanish Language" category. Persons of "Spanish Language" were not considered a distinct racial group by the U.S. Bureau of the Census and were, therefore, not distributed in the "White" or "Non-white" categories. An N.A. indicates that this information was not available for the school district. The percentages may not add up to 100 percent because of rounding.

The "1960-1970 Increase (+) Decrease (-)" figures were calculated by the MPP support research staff from the data in the first two rows of this table. The increase or decrease in the number (#) columns were derived by subtracting the 1970 population figures from the 1960 figures.

The increase or decrease in the percent (%) column were calculated by dividing the difference between the 1970 and 1960 population figures by the 1960 figures.

The "% Change in Proportional Distribution" was calculated as follows:  
The "% White", "% Non-white" and percentages for the other columns for 1970 were subtracted from the 1960 percentages. This difference was divided by the 1960 percentages and this is the figure that was recorded.

#### PAGE 9 - CENSUS POPULATION INCREASE OR DECREASE: 1960-1970

This information was obtained from the Massachusetts Department of Commerce and Development, Massachusetts Population 1970-1965-1960 and Population Movements in Massachusetts 1960-1970.

#### PAGE 9 - CENSUS: FERTILITY RATIO BY RACE

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 44, "Females 15-44 Years Old by Marital Status, Number of Children and Age". This ratio tells how many children, on the average, a woman between the ages of 15 and 44 had in 1970. For example, a fertility ratio of 1.35:1 indicates that for that city or town (and for that racial grouping) the average number of children a woman between 15 and 44 would have would be 1.35. An N.A. indicates that this information was not available for the school district.



PAGE 10 - 1970 CENSUS:  
Household Population by Race

The information on "Total Population" was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Second Count Summary Tapes for Massachusetts, Table 1, "Race and Sex". The information on "Population in Households" was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Second Count Summary Tapes for Massachusetts, Table 3, "Household Population by Age, Race and Sex". An N.A. indicates that this information was not available for the school district. The U.S. Bureau of the Census defines people who live in households as those people who occupy a group of rooms or a single room which constitutes a housing unit. All living arrangements other than households are classified as group quarters. Persons living in group quarters include, for example, those who are inmates of institutions and those living in rooming and boarding houses, communes or military barracks.

PAGE 10 - 1970 CENSUS:  
Number of Families by Sex of Family Head

The information on the number of families headed by females was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 75 "Family Income". The number of families headed by males was calculated by the MPP support research staff by subtracting the number of female headed families from the total number of families. This information was based on a 20 percent sample survey. The U.S. Bureau of the Census defines a family as a household head and one or more other persons living in the same household who are related to the head by blood, marriage, or adoption. The "White" and "Black" figures may not equal the "Total Population" because they do not include people of other racial backgrounds such as Asian-American and Native-American.

PAGE 10 - 1970 CENSUS: AGE DISTRIBUTION BY RACE

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Second Count Summary Tapes for Massachusetts, Table 2, "Single Years of Age, Race, and Sex". The percentages were calculated by the MPP support research staff. The percentages may not add up to 100 percent because of rounding. An N.A. indicates that this information was not available for the school district.

PAGE 11 - 1970 CENSUS: NATIVITY AND PARENTAGE

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 21, "Nativity and Parentage". This information was based on a 15 percent sample survey. A "Native of Native Parent"

is a person born in the United States, the Commonwealth of Puerto Rico or an outlying area of the United States whose parents were also born in the United States. "Foreign Stock" includes U.S. citizens who were foreign born as well as those people who were born in the U.S. but had one or more foreign born parents ("Foreign or Mixed Parentage"). The "Spanish-American" category includes people who are both "White" and "Black" according to the Census definition so that the total of the "White", "Black" and "Spanish-American" columns will never equal the "Total Population" column.

PAGE 11 - 1970 CENSUS: MOST FREQUENT COUNTRY  
of Origin of Foreign Stock

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 22, "Country of Origin and Nativity". This information was based on a 15 percent sample survey. This table indicates the country of origin of the foreign stock population (foreign born and native of foreign or mixed parentage) in a city or town, with the information presented separately for foreign born and native of mixed parentage. These figures were totalled by the MPP support research staff to arrive at the number of persons recorded for each of the countries listed in this table. The countries listed are those which have the largest number of former citizens presently U.S. citizens residing in this community. The percent foreign stock population was calculated by dividing the number of foreign stock citizens from a particular country by the total number of foreign stock residents in that city or town. The total number of foreign stock residents was obtained from the previous table, "1970 Census: Nativity and Parentage".

PAGE 11 - 1970 CENSUS: SPANISH POPULATION INDICATORS

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 24, "Spanish Indicators". The information on persons of "Spanish Origin or Descent" was derived from the question of whether a person's origin or descent was Mexican, Puerto Rican, Cuban, Central or South American, or other Spanish. The information on persons of "Puerto Rican Birth or Parentage" includes persons born in Puerto Rico and persons born in the United States or an outlying area with one or more parents born in Puerto Rico. Persons of "Spanish Language" comprise persons of Spanish mother tongue and all other persons in families in which the head or wife reported Spanish as his or her mother tongue. Since a person of "Spanish Origin or Descent" may appear in two or more of these Spanish population indicators, these figures were not totalled to arrive at a total number of Spanish population residents in a city or town.



PAGE 11 - 1970 CENSUS: MOST FREQUENT MOTHER TONGUES  
Other Than English

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 23, "Mother Tongue and Nativity". This information was based on a 15 percent sample survey of which language was spoken in a person's home when he or she was a child. Since English is the most frequent mother tongue, information is only displayed for mother tongues other than English. This information is presented separately for foreign born and natives and these figures were totalled by the MPP support research staff to arrive at the figures presented in this table.

ECONOMIC CHARACTERISTICS

PAGE 12 - 1970 CENSUS: NUMBER OF EMPLOYED PERSONS 16 YEARS OLD AND OVER  
BY OCCUPATION

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 58, "Employed Population 16 Years Old and Over by Occupation". This information was based on a 20 percent sample survey. Each of the occupation categories shown on this table such as "Professional, Technical, and Kindred Workers" have been broken down into subcategories and the same information in this table is available for each of these subcategories. An N.A. indicates that this information was not available for the school district. The percentages may not add up to 100 percent because of rounding. The "White" and "Black" figures may not equal the "Total Persons Employed" because they do not include people of other racial backgrounds such as Asian-American and Native-American. The "Spanish-American" category includes people who are both "White" and "Black" according to the Census definition so that the total of the "White", "Black" and "Spanish-American" columns will never equal the "Total Persons Employed" column.

PAGE 13 - MEDIAN INCOME: 1960 CENSUS; 1970 CENSUS

The information on 1960 Median Income was obtained from the U.S. Department of Commerce, Bureau of the Census, 1960 Census of Population, Volume I, Characteristics of the Population, Part 23 Massachusetts, Tables 33, 34, 76.

The information on the 1970 Median Income was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 75, "Family Income", and Table 76, "Income of Unrelated Individuals". This information was based on a 20 percent sample survey.

Information on families includes all those people living in the same household who are related to the head by blood, marriage, or adoption. Information on unrelated individuals includes all members of a household who are not related to anyone else in the household or a person living in group quarters who is not an inmate of an institution. An N.A. indicates that this information was not available for the school district.

PAGE 13 -           1970 CENSUS: EMPLOYMENT STATUS BY RACE  
                  of Persons 16 Years of Age and Over in Labor Force

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 54, "Population 16 Years Old and Over by Labor Force Status, Selected Characteristics, and Sex". This information was based on a 20 percent sample survey. The employment or labor force status of persons over 16 is recorded by the U.S. Bureau of the Census in three categories: "In Labor Force", "In Armed Forces", and "Not in Labor Force". The information in this table covers only those people in the labor force, and this category is broken down into those who are "Employed" and those who are "Unemployed". Since the number and percent "Unemployed" is only based on those people in the labor force, it is an undercount of actual unemployment in a community. The "Total" is of those people 16 years and over in the labor force. An N.A. indicates that this information was not available for the school district. The "Spanish-American" category includes people who are both "White" and "Black" according to the Census definition so that the total of the "White", "Black", and "Spanish-American" columns will never equal the "Total" column. The percentages may not add up to 100 percent because of rounding. The "White" and "Black" figures may not equal the "Total" column because they do not include people of other racial backgrounds such as Asian-American and Native-American.

PAGE 14 -                               1970 CENSUS:  
                                  Number of Persons in Families and  
                  Number of Unrelated Individuals with Income Less Than Poverty Level

The information on the number of "Persons in Families" below poverty level was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 83, "Aggregate Number of Persons in Families below Poverty Level".

The information on the "Number of Unrelated Individuals with Income Less Than Poverty Level" was obtained from the U.S. Department of Commerce, Bureau of the Census 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 89, "Unrelated Individuals by Age and Poverty Status". This information was based on a 20 percent sample survey. The number of persons in families and the number of unrelated individuals were totalled by the MPP support research staff to arrive at the total in this table.

The definition of poverty level income originated with the U.S. Social Security Administration in 1964 and was subsequently modified by a Federal Interagency Committee. This index provides a range of poverty income cutoffs adjusted by such factors as family size, family head, number of children under 18 years old, and farm and nonfarm residence, needed in order to maintain a nutritionally adequate food plan designed by the Department of Agriculture. In 1969, the poverty thresholds ranged from \$1,847 for a female unrelated individual 65 years old and over living on a farm to \$6,116 for a nonfarm family with a male head and with seven or more persons. The average poverty threshold for a nonfarm family of four headed by a male was \$3,745. An N.A. indicates that this information was not available for the school district. The percentages may not add up to 100 percent because of rounding. The "White" and "Black" figures may not equal the "Total Population" because they do not include people of other racial backgrounds such as Asian-American and Native-American. The "Spanish-American" category includes people who are both "White" and "Black" according to the Census definition so that the total of the "White", "Black", and "Spanish-American" columns will never equal the "Total Population" column.

PAGE 14 - 1970 CENSUS:  
Number of Related Children Under 18 in Families  
Below Poverty Level by Presence of Parents

This information was obtained from the 1970 U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 92, "Related Children Under 18 Years Old in Families Below Poverty Level by Presence of Parents". This information was based on a 20 percent sample survey. The percentages were calculated by the MPP support research staff by dividing the number of children under 18 living in families below poverty level by the total number of children under 18 in that city or town. An N.A. indicates that this information was not available for the school district. The "White" and "Black" figures may not equal the "Total Population" because they do not include people of other racial backgrounds such as Asian-American and Native-American. The "Spanish-American" category includes people who are both "White" and "Black" according to the Census definition so that the total of the "White", "Black" and "Spanish-American" columns will never equal the "Total Population" column.

PAGE 15 - CHARACTERISTICS OF INDUSTRIAL FIRMS: 1967

This information was obtained from the Commonwealth of Massachusetts, Division of Employment Security, "Massachusetts Employment and Wages 1967 by Area (City and Town) by Industry, 3 digit," unpublished computer printouts. This information is on industrial establishments subject to the Massachusetts Employment Security Law, Chapter 151A of the General Laws, and generally excludes employment in nonprofit institutions organized for religious, charitable, educational,



or scientific purposes; in domestic service; self employment and unpaid family service; and in governments. A definition of each major industry, such as "Agriculture and Mining", presented in this table, can be found in the following publication: The Commonwealth of Massachusetts, Division of Employment Security, Massachusetts Cities and Towns, Employment and Wages in Establishments Subject to the Massachusetts Employment Security Law by Major Industry Divisions 1967-1971, March, 1973.

#### PAGE 16 - CHARACTERISTICS OF INDUSTRIAL FIRMS: 1972

This information was obtained from the Commonwealth of Massachusetts, Division of Employment Security, "Massachusetts Employment and Wages 1972 by Area (City and Town) by Industry, 3 digit", unpublished computer printouts. This information is on industrial establishments subject to the Massachusetts Employment Security Law, Chapter 151A of the General Laws, and generally excludes employment in nonprofit institutions organized for religious, charitable, educational, or scientific purposes; in domestic service; self employment and unpaid family service; and in governments. A definition of each major industry, such as "Agriculture and Mining", presented in this table, can be found in the following publication: The Commonwealth of Massachusetts, Division of Employment Security, Massachusetts Cities and Towns, Employment and Wages in Establishments Subject to the Massachusetts Employment Security Law by Major Industry Divisions 1967-1971, March, 1973.

#### LAND USE CHARACTERISTICS

##### PAGE 17 - LAND USE PATTERNS IN (CITY OR TOWN NAME)

The percentages measured on this pie chart were calculated from land use pattern information obtained from the Metropolitan Area Planning Council, Preliminary Single Purpose Plan Report, Land Use Numbers, Study Element Number 3.05 of the Southeastern New England Study, October 1973 (compiled for the New England River Basin Study). This report contained information on the number of acres in a city or town utilized for "Residential", "Commercial" and the other remaining categories. The MPP support research staff calculated the percentages that were used to develop the pie chart displayed in this table.

#### HOUSING CHARACTERISTICS

##### PAGE 18 - 1970 CENSUS: SELECTED HOUSING CHARACTERISTICS

This information was obtained from the U.S. Department of Commerce, Bureau of the

Census, 1970 Census of Population and Housing, 1970 Census of Housing, General Housing Characteristics, Massachusetts HC (1)-A23, Tables 1, 8, 18, 23, 24.

The median value of owner occupied units does not include those that are in multi-unit structures, trailers, rural units on farms or places of ten or more acres, or on properties any part of which is used as a business.

The U.S. Bureau of the Census defines a housing unit as a house, an apartment, a group of rooms, or a single room occupied or intended for occupancy as separate living quarters. A housing unit was considered vacant if no one was living in it at the time the Census was taken unless its occupants were only temporarily absent. Median value was the owner's estimate of how much the property (house and lot) would sell for, if it were for sale. Median contract rent is the monthly rent agreed to, or contracted for, regardless of any furnishings, utilities, or services that may be included.

PAGE 18 -           1970 CENSUS: NUMBER OF HOUSING UNITS  
by Occupancy Status and Race of Head of Household

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Housing Summary Tapes for Massachusetts, Table 26, "Occupancy/Vacancy Status". The total number of housing units in this table may be slightly lower than the total in the previous table because it does not include vacant migratory and seasonal units. The percentages may not add up to 100 percent because of rounding. An N.A. indicates that this information was not available for the school district. The "White" and "Black" figures may not equal the "Total" column because they do not include people of other racial backgrounds such as Asian-American and Native-American. This information was based on a 20% sample survey.

PAGE 18 - BUILDING PERMITS ISSUED FOR NEW  
Dwelling Units: 1960-71

This information was obtained from the Massachusetts Department of Commerce and Development, City and Town Monograph. This is a separate monograph for each city and town in the Commonwealth of Massachusetts. These monographs, which contain other information on a city or town, are free to the public upon request.

PAGE 19 - NUMBER OF SUBSIDIZED HOUSING UNITS BY TYPE OF CONSTRUCTION  
STATUS: 1973

This information was obtained from the Metropolitan Area Planning Council, (MAPC) Subsidized Housing in the Boston Region as of December 31, 1973, and is available to the public upon request. The MAPC is the regional planning agency for the Boston metropolitan area; it studies the demographic, socio-economic, land use, and housing characteristics of the cities and towns in the Boston metropolitan area. MHFA refers to the Massachusetts Housing Finance Agency.



PAGE 19 - 1970 CENSUS: AGE OF HOUSING UNITS

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Housing Summary Tapes for Massachusetts, Table 8, "Year Structure Built, Tenure, and Race of Head". This information was based on a 20 percent sample survey. Since this information is based on a sample survey, the total number of housing units may not equal the total number of units recorded on other "Housing Characteristic" tables. The number of "Other Occupied Housing Units" was calculated by the MPP support research staff by subtracting the "Black Occupied Housing Units" column from the "Total Housing Units" column. The "Other Occupied Housing Units" are occupied primarily by whites but may also be occupied by Asian-American, Native-American and other racial and ethnic group members. The percentages may not add up to 100 percent because of rounding. An N.A. indicates that this information was not available for the school district. The "Spanish-American" category includes people who are both "White", and "Black" according to the Census definition so that the total of the "White" "Black" and "Spanish-American" columns will never equal the "Total Housing Units" column.

PAGE 20 - 1970 CENSUS: NUMBER OF PERSONS PER ROOM IN OCCUPIED HOUSING UNITS  
By Race of Head of Household

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, First Count Summary Tapes for Massachusetts, Table 30, "Persons per Room, Tenure and Race of Head". The number of "Other Occupied Housing Units" was calculated by the MPP support research staff by subtracting the "Black Occupied Housing Units" column from the "Total Occupied Units" column. An N.A. indicates that this information was not available for the school district. The percentages may not add up to 100 percent because of rounding.

PAGE 20 - 1970 CENSUS: TYPE OF HOUSING STRUCTURE

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Housing Summary Tapes for Massachusetts, Table 9, "Units in Structure, Tenure, and Race, of Head". This information was based on a 20 percent sample survey. Since this information is based on a sample survey, the total number of housing units may not equal the total number of units recorded on other "Housing Characteristic" tables. This information is also available for Black and Spanish-American occupied units, both owner occupied and renter occupied. An N.A. indicates that this information was not available for the school district. The percentages may not add up to 100 percent because of rounding.

PAGE 20 - 1970 CENSUS:  
Average Number of  
Persons per Housing Unit

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Housing Summary Tapes for Massachusetts, Table 37, "Number of Persons in Unit, Tenure, and Race of Head". This information was based on a 20 percent sample survey. This information was calculated by the MPP support research staff by dividing the number of persons in housing units by the total number of housing units. The number of "Other Occupied Housing Units" was calculated by the MPP support research staff by subtracting the "Black Occupied Housing Units" column from the "Total Occupied Housing Units" column.

PAGE 21 - 1970 CENSUS: VALUE OF OWNER OCCUPIED HOUSING UNITS BY RACE OF  
HEAD OF HOUSEHOLD

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Housing Summary Tapes for Massachusetts, Table 52, "Value, Occupancy Status, and Race of Head". This information was based on a 20 percent sample survey. The value of an owner occupied unit was the owner's estimate of how much the property (house and lot) would sell for, if it were for sale. The number of "Other Owner Occupied Units" was calculated by the MPP support research staff by subtracting the "Black Owner Occupied Units" column from the "Total Owner Occupied Units" column. The percentages may not add up to 100 percent because of rounding. An N.A. indicates that this information was not available for the school district. The "Spanish-American" category includes people who are both "White" and "Black" according to the Census definition so that the total of the "White", "Black" and "Spanish-American" column will never equal the "Total Owner Occupied Units" column.

PAGE 22 - 1970 CENSUS: MONTHLY GROSS RENT BY RACE OF HEAD OF HOUSEHOLD

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Housing Summary Tapes for Massachusetts, Table 19, "Gross Rent and Race of Head". This information was based on a 20 percent sample survey. "Monthly Gross Rent" is the monthly rent agreed to, or contracted for, regardless of any furnishings, utilities, or services that may be included plus the estimated average monthly cost of utilities and fuels, if these items are paid for by the renter in addition to rent. The number of "Other Renter Occupied Units" was calculated by the MPP support research staff by subtracting the "Black Renter Occupied Units" column from the "Total Renter Occupied Units" column. An N.A. indicates that this information was not available for the school district. The percentages may not add up to 100 percent because of rounding. The "Spanish-American" category includes people who are both "White" and "Black" according to the Census definition so that the total of the "White", "Black" and "Spanish-American" columns will never equal the "Total Renter Occupied Units" column.

## NOTES AND SOURCES FOR THE INDIVIDUAL SCHOOL PROFILES

### PAGE 1 - SCHOOL DISTRICT #, SCHOOL #

The school district and school number (#) which appear on the upper right hand box are code numbers which are used by the Massachusetts State Department of Education. These code numbers were obtained from the Massachusetts State Department of Education, Bureau of Educational Information Services, Massachusetts School Directory 1973-74.

### PAGE 1 - 1973-74 SCHOOL DISTRICT; SCHOOL NAME; NO. & STREET; City, State, Zip; Grade Organization

This information was obtained from the Massachusetts State Department of Education, Bureau of Educational Information Services, Massachusetts School Directory 1973-74.

### PAGE 1 - FACILITIES

The information on a school's date of initial construction, date(s) of additions or changes, number of rooms for instructional use, and total number of rooms were obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, School Building Inventory, Fall, 1973. There were fifty-eight types of school rooms listed on this form. Forty-two of these rooms were placed by the MPP support research staff in the "Instructional Use" category. These rooms are:

1. Art (General)
2. Arts and Crafts
3. Auditorium
4. Automotive
5. Bandroom
6. Biology Laboratory
7. Bookkeeping
8. Chemistry Laboratory
9. Child Care Center
10. Chorus Room
11. Classroom Regular, (Regular, Interchangeable)
12. Classroom (Seminar Room)
13. Corrective Room (Athletics)
14. Earth Science Laboratory
15. Field House
16. General Science Laboratory
17. Graphic Arts
18. Gymnasium
19. Home Economics (Food)



20. Home Economics (General)
21. Home Economics (Multi-purpose Living Center)
22. Ice Skating Rink
23. Instructional Media Center
24. Language Arts Laboratory
25. Library
26. Mathematics Laboratory
27. Mechanical Drawing
28. Metal Shop
29. Music Room (General)
30. Office Machines
31. Office Practice
32. Physics Laboratory
33. Power Mechanics Shop
34. Sewing Room
35. Shop (General)
36. Social Studies Laboratory
37. Special Education Remedial Rooms
38. Stenography Room
39. Swimming Pool
40. Television Room
41. Typing Room
42. Wood Shop

The remaining sixteen were placed in the "Other Uses" category.  
They are:

1. Administrative Office
2. Audio-Visual Workroom
3. Cafeteria
4. Data Processing
5. Guidance Office
6. Health Suite
7. Kitchen
8. Lavatories (Boys')
9. Lavatories (Girls')
10. Shower and Locker Rooms
11. Storage (Books)
12. Storage (Custodial Supplies)
13. Storage (General Instructional Supplies)
14. Student Activity Room
15. Teachers' Lounge
16. Teachers' Workroom

An N.A. indicates that this information was not available for the school.

The information on "Title I" programs in a school ("Type of Program", "# of Students") was obtained from the Massachusetts State Department of Education, Division of Curriculum and Instruction, Bureau of Curriculum Services, Title I ESEA, "Unpublished Title I Program Documents, 1973-74." The "% School Enrollment" was calculated by the MPP support research staff by dividing the number of students in Title I programs by the total number of students in the school during the 1973-74 school year. The total number of students was obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Enrollment by Classification, Exhibit II, 1973-74. This is the same total that appears in the "Student Ethnic Census: 1973-74" table on page 2. The Title I program is funded by the U.S. Office of Education and was legislated by the U.S. Congress as part of the 1965 Elementary and Secondary Education Act (ESEA). The Title I program provides assistance for "educationally deprived and neglected and delinquent children".

The information on students in the "Lunch Program" ("# Students, Free"; "# Students, Reduced Price") was obtained from the Massachusetts State Department of Education, Bureau of Nutrition Education and School Food Services Education, "Average Number of Lunches Served to Needy". The figures in this table were calculated by taking the number of needy students served lunches in a school during the month of January, 1974 and dividing this number by the number of days schools were opened that month. The "% School Enrollment" was calculated by the MPP support research staff, 1973-74, by dividing the number of "Lunch Program" students by the 1973-74 school enrollment obtained from the Massachusetts State Department of Education, Division of Research, Planning and Evaluation, Enrollment by Classification, Exhibit II, 1973-74.

The information on students eligible for the "Bilingual Program" was obtained from the Massachusetts State Department of Education, Bureau of Transitional Bilingual Education, Census of Children of Limited English Speaking Ability on October 1, 1973, under Chapter 71A, Act of 1971. This Census of all public school students is conducted each year in order to determine how many students are of limited English speaking ability as defined in Chapter 71A and, thus, eligible for transitional bilingual classes. The "% School Enrollment" was calculated by the MPP support research staff by dividing the number of eligible bilingual students by the 1973-74 school enrollment obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Enrollment by Classification, Exhibit II, 1973-74.

The information on the number of METCO (Metropolitan Council for Educational Opportunities, Inc.) students was obtained from the METCO files, "Unpublished Student Enrollment Records", August, 1974. METCO is a state funded interdistrict transfer program which transports children from Boston to suburban school districts. The "% School Enrollment" was calculated by the MPP support research staff by dividing the number of METCO students by the 1973-74 school enrollment obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Enrollment by Classification, Exhibit II, 1973-74.



This information was obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, 1973-74 Professional Staff Survey. The figures in this table are not always an accurate total of the number of professional staff employed in a school because some staff members may not have filled in a survey. In addition, some staff members may have completed one section of the survey but not another section. As a result, the totals under the "Age", "Years in Present System", and "Position" columns may not be the same. The total number (#) of professional staff recorded in the "Census" column is the largest number of staff found in either the "Age", "Years in Present System", or "Position" categories. The "Total" number of professional staff members may be greater than the total number of "White", "Black", "Spanish Surname", "Asian-American", "Native-American", and "Other" professional staff members because some people who answered this survey did not indicate their racial or ethnic background. An N.A. indicates that this information was not available for the school.

The survey form had 24 different position codes. These positions were reclassified, by the MPP support research staff, under one of these four headings: "Administrators", "Teachers", "Teacher Aides", and "Other Professionals".

"Administrators" include the following positions:

1. Administrative Assistant
2. Assistant Director or Manager
3. Assistant or Vice-Principal
4. Assistant Superintendent
5. Assistant Supervisor
6. Director or Manager (Pupils or Programs)
7. Principal
8. Research
9. Superintendent

"Teachers" include:

1. Itinerant Teacher
2. Special Class Teacher (Handicapped)
3. Specialist (Reading, Speech, etc.)
4. Teacher

"Teacher Aides" include:

1. Teacher Aide

"Other Professionals" include:

1. Attendance Supervisor
2. Chairman or Department Head
3. Counselor
4. Librarian
5. Nurse
6. Other Professional or Technical Personnel
7. Psychologist
8. Psychometrist
9. Social Worker (Adjustment Counselor)
10. Supervisor or Consultant (Staff Improvement)

PAGE 2 - STUDENT ETHNIC CENSUS: 1973-74

This information was obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Enrollment by Classification, Exhibit II, 1973-74. The figures in the "White" column include "White" students and students of racial backgrounds other than "Black", "Native-American", "Asian-American", and "Spanish Surname". "Spanish Surname" students were placed in the "Non-white" category.

PAGE 2 - RACIAL CENSUS: 1967-68; 1970-71; 1972-73

The information on the "Total", "White", and "Non-white" enrollments for these three school years were obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Racial Census, October, 1967; Racial Census, October, 1970; and Racial Census, October, 1972. The Racial Census does not indicate which students were considered "White" and which were considered "Non-white".

PAGE 2 - RACIAL CENSUS: ENROLLMENT CHANGE 1967-1972

These figures were calculated from the previous table by the MPP support research staff. The figures under the number sign (#) column were calculated by subtracting from the "Total", "White" or "Non-white" enrollment for the 1972-73 school year, the "Total", "White" or "Non-white" enrollment for the 1967-68 school year. For example, if the 1972-73 total enrollment was 100 students and the 1967-68 enrollment was 50 students, the enrollment change would be +50(100-50) and this figure would appear in the appropriate box. The figures under the percent(%) column were derived by dividing the difference between the 1972-73 and 1967-68 enrollment by the 1967-68 enrollment. If the difference, for example, between the 1972-73 and 1967-68 enrollments were +50 and the 1967-68 enrollment were 50, the percent change would be +100(50/50). The figures under the "% Change in Proportional Distribution" column were calculated as follows:

The "% White" (or "% Non-white") for 1972-73 was subtracted from the "% White" (or "% Non-white") for 1967-68.

This difference was divided by the "% White" (or "% Non-white") for 1967-68 and this is the figure that was recorded. For example, if the "% White" in 1967-68 was 75% and the "% White" in 1972-73 was 50%, the "% Change in Proportional Distribution" would be calculated as follows:  
$$(50-75)/75 = (-25)/75 = -0.33.$$

Since the percent "Total Enrollment" is always 100%, no "% Change in Proportional Distribution" was calculated or recorded for "Total Enrollment". If there is a percent change from 0 to any number, the "% Change in Proportional Distribution" is mathematically undefined. This is noted by the word "Undefined".

PAGE 2 - FOLLOW-UP OF HIGH SCHOOL GRADUATES: 1968-1972

The information on the post high school placement of 1968 graduates was obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Distribution of Graduating Class, 1969. The number of students in each of the various placement categories may not equal the total number of high school graduates because information on all placements was not available. If there was no information available on high school graduates in a particular school, this is noted by an N.A. in the first column (under the # sign). The information on the 1972 graduates was obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Distribution of High School Graduates, Class of 1972, Fall 1973. The percentages in the 1972 column may not add up to 100% because of rounding. This table is only displayed for high schools; the profiles for elementary and junior high schools do not have this table.

PAGE 2 - ELIGIBLE TRANSITIONAL BILINGUAL STUDENTS: 1973-74

The number of students eligible for a transitional bilingual program was obtained from the Massachusetts State Department of Education, Bureau of Transitional Bilingual Education, Census of Children of Limited English Speaking Ability on October 1, 1973, under Chapter 71A, Act of 1971. This Census of all public school students is conducted each year in order to determine how many students are of limited English speaking ability as defined in Chapter 71A and, thus, eligible for transitional bilingual classes. The "Percent of Bilingual Enrollment" was calculated by the MPP support research staff by dividing the number of students in each language category, such as "Chinese" or "French" by the "Total" number of eligible bilingual students.

Leslie Steven May





## EDUCATIONAL CHARACTERISTICS

NUMBER OF SCHOOLS AND ENROLLMENT By Type of School: 1973-74				
Type of School	Number of Schools	Enrollment		
		Total	White	Non-white
Elementary	10	3,435	3,409	26
Junior High	1	1,654	1,638	16
High School	1	1,617	1,604	13
Special & Ungraded	0			
Regional	0			
Vocational	0			
Total	12	6,706	6,681	55

SCHOOL ATTENDING CHILDREN IN PUBLIC and Non-public Schools				
Year	Total	Public	Non-public	
		#	%	# %
1967-68	8,340	7,363	88.3	977 11.7
1970-71	8,285	7,556	91.2	729 8.8
1972-73	7,130	7,130	90.7	729 9.3

EDUCATIONAL COLLABORATIVE PARTICIPATION 1973-74	
Massachusetts Association of School Business Officials (MASBO); Massachusetts Bay Cooperative Data Study (MABCODS)	Metropolitan Planning Project-Approving District; Northeast Metropolitan Vocational High School

1970 CENSUS: SCHOOL ENROLLMENT FOR Level and Type of School by Race (Population 3 - 34 years)									
Level and Type of School	Total		White		Black		Spanish-American		
	#	%	#	%	#	%	#	%	
Nursery School <sup>1</sup>	31	0.3	31	0.3	0		0		
Public	0		0		0		0		
Parochial	172	1.7	172	1.7	0		0		
Private	548	5.4	548	5.3	0		7	26.9	
Kindergarten	0		0		0		0		
Public	26	0.3	26	0.3	0		0		
Parochial									
Private	4,932	48.9	4,895	47.7	15	45.5	19	73.1	
Elementary (1-8)	590	5.9	590	5.8	0		0		
Public	28	0.3	20	0.2	8	24.2	0		
Parochial									
Private	2,518	25.0	2,512	24.5	0		0		
High School (1-4)	82	0.8	82	0.8	0		0		
Public	106	1.1	106	1.0	0		0		
Parochial	316	3.1	316	3.1	0				
Private	733	7.3	723	7.0	10	30.3	0		

FEDERALLY-FUNDED PROGRAMS: 1973-74		
Program	# of Students	% Total Enrollment
Title I	70	1.0
Title III	0	





EDUCATIONAL CHARACTERISTICS

RACIAL CENSUS: 1967-68; 1970-71; 1972-73					
Years	Total Enrollment	White		Non-white	
		#	%	#	%
1967-1968	7,359	7,326	99.6	33	0.4
1970-1971	7,534	7,489	99.4	45	0.6
1972-1973	7,041	7,005	99.5	36	0.5

RACIAL CENSUS: ENROLLMENT CHANGE 1967-1972			
	#	%	% Change in Proportional Distribution
TOTAL	-318	-4.3	
White	-321	-4.4	-0.1
Non-white	+3	+9.1	+25.0

STUDENT ETHNIC CENSUS: 1973-74					
	Total	White	Non-white		
			Black	Native-American	Asian-American
Number	6,706	6,651	7	4	32
Percent	100.0	99.2	0.1	0.1	0.5
					0.2

FOLLOW UP OF HIGH SCHOOL GRADUATES: 1968; 1972					
Post High School Placement	Class of				
	1968		1972		
	#	%	#	%	
4-yr. State College	82	16.9	82	14.7	
4-yr. Other College	119	24.5	105	18.9	
2-yr. State College	35	7.2	36	6.5	
2-yr. Other College	18	3.7	25	4.5	
Nurses Training	4	0.8	8	1.4	
Other Post Secondary	82	16.9	58	10.4	
Military	13	2.7	7	1.3	
Work	117	24.1	197	35.4	
Other	15	3.1	38	6.8	
TOTAL	485	100.0	556	100.0	

ELIGIBLE TRANSITIONAL BILINGUAL STUDENTS: 1973-74		
Language	Number of Students	Percent of Bilingual Enrollment
TOTAL	0	
Chinese		
French		
Greek		
Italian		
Portuguese		
Spanish		
Other		



METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE # 178 MELROSE

EDUCATIONAL CHARACTERISTICS

PUBLIC SCHOOL STUDENT ENROLLMENTS: 1964 - 1982				
Past Enrollments: 1964 - 1972				
Projected Enrollments: 1973 - 1982				
School Year Beginning in Fall of	Total K-12 (R <sup>2</sup> = .771)	Total K-6 (R <sup>2</sup> = . )	Total 7-12 (R <sup>2</sup> = . )	White K-12 (R <sup>2</sup> = .765)
				Non-white K-12 (R <sup>2</sup> = .781 )
1964	5491.00			6480.00
1965	7055.00			7028.00
1966	7297.00			7253.00
1967	7359.00			7326.00
1968	7493.00			7459.00
1969	7631.00			7583.00
1970	7525.00			7490.00
1971	7321.00			7280.00
1972	7041.00			7005.00
1973	7402.03			7361.39
1974	7402.06			7361.42
1975	7402.07			7361.43
1976	7402.07			7361.43
1977	7402.07			7361.43
1978	7402.07			7361.43
1979	7402.07			7361.43
1980	7402.07			7361.43
1981	7402.07			7361.43
1982	7402.07			7361.43





METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE # 178 MELROSE

EDUCATIONAL CHARACTERISTICS

NUMBER OF TEACHERS BY RACE: 1972-73										
Total	White		Non-White		Non-white					
					Black		Asian-American		Native-American	
	#	%	#	%	#	%	#	%	#	%
383	381	99.5	2	0.5	2	0.5	0		0	0

NUMBER OF TEACHERS, TEACHER AIDES AND OTHER PROFESSIONAL STAFF: 1973-74													
Staff Status	Total	White		Non-white		Non-white						Spanish Surname	
						Black		Asian-American		Native-American			
		#	%	#	%	#	%	#	%	#	%	#	%
Teachers	371	367	98.9	4	1.1	2	0.5	1	0.3	0		1	0.3
Teacher Aides	7	7	100.0	0									
Other Professional Staff	56	56	100.0	0									
Total	434	430	99.1	4	0.9	2	0.5	1	0.2	0		1	0.2



EDUCATIONAL CHARACTERISTICS

SELECTED FINANCIAL CHARACTERISTICS								
Year	% Municipal Tax Spent on Education	Comprehensive Per Pupil Expenditure (in \$)				Public School Attending Children Transported at Public Expense		Computative Equalized Property Valuation per School Attending Child (in \$)
		Total	Elementary School	Junior High School	High School	#	%	
1967-68	48.2	575	497	0	770	246	3.3	20,983
1970-71	46.5	885	749	781	1,312	2,069	27.4	23,657
1972-73	N.A.	1,059	829	1,173	1,446	2,137	30.0	32,320

1973 TAX RATE	
Official	Equalized
52.40	48.21

1973 SCHOOL TAX RATE	
Official	Equalized
28.60	26.31

1973 MOODY'S BOND RATING
Aa

PUBLIC SCHOOL STUDENTS Receiving Subsidized Lunches: 1973-74		
	# of Lunch Program Students	% of Total Enrollment
TOTAL	63	0.9
Free	54	0.8
Reduced Price	9	0.1

STUDENTS ENROLLED IN METCO		
Year	# METCO Students	% of Total Enrollment
1967-68	0	
1970-71	0	
1972-73	0	
1973-74	0	



## EDUCATIONAL CHARACTERISTICS

PERCENT DISTRIBUTION OF SCHOOL REVENUES: 1967-68; 1970-71; 1972-73									
Year	Total Public School Funds Provided *	Local Sources		Commonwealth Sources		Federal Sources		Other School Districts	
		\$	%	\$	%	\$	%	\$	%
1967-68	4,744,127	3,596,605	75.8	1,001,938	21.1	134,070	2.8	2,770	0.1
1970-71	6,765,495	5,412,556	80.0	1,295,693	19.2	145,254	2.1	0	
1972-73	7,679,358	5,536,994	72.1	1,990,512	25.9	113,208	1.5	0	
Notes: *The amount of Total Public School Funds Provided is not necessarily equal to the total of the Local, Commonwealth, Federal, and Other School District revenues because the total incorporates an adjustment figure reported in the annual budget for the beginning and ending balance.									

ABSOLUTE DOLLAR AND PERCENT CHANGES IN REVENUES: 1967-72									
Changes in Public School Funds Provided 1967-72	Total	Local Sources		Commonwealth Sources		Federal Sources		Other School Districts	
		\$	%	\$	%	\$	%	\$	%
	2,935,231	1,940,389	54.0	988,574	98.7	-20,862	-15.6	-2,770	-100.0

PERCENT CHANGE IN PROPORTIONAL DISTRIBUTION OF REVENUES: 1967-72				
% Change in Proportional Distribution of Revenue 1967-72	Local Sources		Commonwealth Sources	
	-4.9		22.7	-46.4
				-100.0





METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE #178 MELROSE

EDUCATIONAL CHARACTERISTICS

PERCENT DISTRIBUTION OF SCHOOL EXPENDITURES: 1967-68; 1970-71; 1972-73																
Year	Total Public School Funds Applied	Expenditures by School Committee										Expenditures for Regional School Assessments			Expenditures of Revolving Funds	
		Administration		Instruction		Other*		Expenditures for Services provided by Other Municipal Agencies			Expenditures of Federal Funds		Expenditures of Revolving Funds			
		\$	%	\$	%	\$	%	\$	%	\$	%	\$		%		
1967-68	4,744,127	74,369	1.6	3,328,374	70.1	683,898	14.4	459,442	9.7	14,957	0.3	19,100	0.4	163,987	3.5	
1970-71	6,765,495	181,538	2.7	5,098,427	75.3	1,039,928	15.4	383,419	5.7	0		174	0.0	62,009	0.9	
1972-73	7,679,358	225,084	2.9	5,657,193	73.7	1,066,055	13.9	492,371	6.4	182,594	2.4	56,061	0.7	0		

ABSOLUTE DOLLAR AND PERCENT CHANGES IN EXPENDITURES: 1967-72															
Changes in Public School Funds Expended 1967-72	Total Public School Funds Applied  \$	Expenditures by School Committee						Expenditures for Services provided by Other Municipal Agencies		Expenditures for Regional School Assessments		Expenditures of Federal Funds		Expenditures of Revolving Funds	
		Administration		Instruction		Other*		\$	%	\$	%	\$	%	\$	%
		\$	%	\$	%	\$	%								
	2,935,231	150,715	202.7	2,328,819	70.0	382,157	55.9	32,929	7.2	167,637	1120.8	36,961	193.5	-163,987	+100.0

PERCENT CHANGE IN PROPORTIONAL DISTRIBUTION OF EXPENDITURES: 1967-72									
Percent Change in Proportional Distribution of Expenditures 1967-72	Expenditures by School Committee				Expenditures for Services provided by Other Municipal Agencies	Expenditures for Regional School Assessments	Expenditures of Federal Funds	Expenditures of Revolving Funds	
	Administration	Instruction	Other*						
		81.3	5.1	-3.5	-34.0	700.0	75.0	-100.0	

Note: \*Other includes the following categories: attendance, health service, pupil transportation, food services, athletics, other student-body activities, operation and maintenance of plant, fixed charges, community services, acquisitions of fixed assets, debt retirement and debt services, and programs with other districts.



METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE # 178 MELROSE

EDUCATIONAL CHARACTERISTICS

1970 CENSUS: COUNT OF PERSONS 25 YEARS OF AGE AND OVER BY RACE AND YEARS OF SCHOOL COMPLETED									
Level and Years of School Completed	Total Population		White		Black		Spanish-American		
	#	%	#	%	#	%	#	%	
No School	59	0.3	59	0.3	0		0		
Year Completed	162	0.9	162	0.9	0		0		
Elementary:									
1-4 years	373	2.0	373	2.0	0		0		
5-6 years	272	1.4	272	1.5	0		0		
7 years	1,093	5.8	1,093	5.8	0		0		
8 years	2,990	15.9	2,986	15.9	4	28.6	15	55.6	
High School:									
1-3 years	8,162	43.5	8,148	43.5	5	35.7	5	18.5	
4 years	2,729	14.5	2,719	14.5	0		7	25.9	
College:									
1-3 years	1,866	9.9	1,861	9.9	5	35.7	0		
4 years	1,071	5.7	1,062	5.7	0		0		
5 years or more	18,777	100.0	18,735	100.0	14	100.0	27	100.0	
Total									

MEDIAN SCHOOL YEARS COMPLETED			
Total Population	White	Black	Spanish-American
12.1	12.1	12.2	10.8





## DEMOGRAPHIC CHARACTERISTICS

CENSUS POPULATION INCREASE OR DECREASE: 1960-1970		
1960-70		
Increase (+) or Decrease (-)		+3,561
% Change 1960-70		
Increase (+) or Decrease (-)		+12.0
Balance of Births to Deaths		
Excess of Births (+)		
Excess of Deaths (-)		+2,049
Net Migration		
Excess of People Moving In (+)		+1,512
Excess of People Moving Out (-)		

1970 CENSUS: FERTILITY RATIO BY RACE	
Total Population	1.532:1
White	1.535:1
Black	0.888:1
Spanish-American	1.500:1



METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILES #178 MELROSE

DEMOGRAPHIC CHARACTERISTICS

1970 CENSUS: Household Population by Race			
Race	Total Population #	Population in Households	
		#	%
White	32,950	32,553	99.3
Black	69	N.A.	
Other	161	N.A.	
Total	33,180	32,778	100.0

1970 CENSUS: Number of Families by Sex of Family Head				
Family Head	Total Population	White	Black	Spanish-American
Male	7,389	7,362	9	14
Female	830	830	0	7
Total	8,219	8,192	9	21

1970 CENSUS: AGE DISTRIBUTION BY RACE									
Age	Total	White		Non-white		Non-white			
		#	%	#	%	Black		Other	
						#	%	#	%
Under 5	2,634	2,606	7.9	28	12.2	10	14.5	18	11.2
5 - 9	3,199	3,182	9.7	17	7.4	2	2.9	15	9.3
10 - 14	3,440	3,411	10.4	29	12.6	6	8.7	23	14.3
15 - 19	2,903	2,880	8.7	23	10.0	9	13.0	14	8.7
20 - 24	2,214	2,197	6.7	17	7.4	7	10.1	10	6.2
25 - 44	7,258	7,188	21.8	70	30.4	18	26.1	52	32.3
45 - 64	7,285	7,253	22.0	32	13.9	13	18.8	19	11.8
65 and Over	4,247	4,233	12.8	14	6.1	4	5.8	10	6.2
Total	33,180	32,950	100.0	230	100.0	69	100.0	161	100.0



METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE # 178 MELROSE

DEMOGRAPHIC CHARACTERISTICS

1970 CENSUS: NATIVITY AND PARENTAGE					
Nativity	Total Population		White		Spanish-American
	#	%	#	#	#
Native of Native Parent	22,549	67.9	22,441	79	21
Foreign Stock	10,673	32.1	10,657	0	59
Total	33,222	100.0	33,098	79	80

1970 CENSUS: MOST FREQUENT COUNTRY of Origin of Foreign Stock			
Country of Origin	# of Persons	% Foreign Stock	Population
Canada	4,357	40.8	
Italy	1,845	17.3	
Ireland	1,241	11.6	
United Kingdom	1,005	9.4	

1970 CENSUS: SPANISH POPULATION INDICATORS			
Indicators	# of Persons	% of Total Population	
Spanish Origin or Descent	48	0.1	
Puerto Rican Birth or Parentage	14	0.0	
Spanish Language	80	0.2	

1970 CENSUS: MOST FREQUENT MOTHER TONGUES Other Than English			
Mother Tongue	# of Persons	% of Total Population	
Italian	1,673	5.0	
French	739	2.2	
German	352	1.1	
Swedish	181	0.5	





## ECONOMIC CHARACTERISTICS

1970 CENSUS: NUMBER OF EMPLOYED PERSONS 16 YEARS OLD AND OVER BY OCCUPATION									
Occupation	Total Persons Employed		White		Black		Spanish-American		
	#	%	#	%	#	%	#	%	
Professional, Technical and Kindred Workers	2,865	21.5	2,860	21.6	5	35.7	11	61.1	
Managers and Administrators, except Farm	1,416	10.6	1,403	10.6	0		7	38.9	
Sales Workers	1,174	8.8	1,174	8.8	0		0		
Clerical and Kindred Workers	3,167	23.8	3,162	23.8	5	35.7	0		
Craftsmen, Foremen and Kindred Workers	1,660	12.5	1,656	12.5	4	28.6	0		
Operatives, except Transport	1,041	7.8	1,041	7.8	0		0		
Transport Equipment Operatives	373	2.8	373	2.8	0		0		
Laborers, except Farm	318	2.4	318	2.4	0		0		
Farmers and Farm Managers	10	0.1	10	0.1	0		0		
Farm Laborers and Foremen	4	0.0	4	0.0	0		0		
Service Workers, except Private Household	1,235	9.3	1,225	9.2	0		0		
Private Household Workers	43	0.3	43	0.3	0		0		
Total	13,306	100.0	13,269	100.0	14	100.0	18	100.0	



METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE # 178 MELROSE

ECONOMIC CHARACTERISTICS

MEDIAN INCOME: 1960 CENSUS; 1970 CENSUS							
Year	Families			Unrelated Individuals			
	All	White	Black	Spanish-American	All	White	Black
1960	\$7,507	N.A.	N.A.	N.A.	\$2,350	N.A.	N.A.
1970	\$12,423	\$12,435	\$4,900	\$4,700	\$4,178	\$4,209	\$1,500
							\$13,500

1970 CENSUS: EMPLOYMENT STATUS BY RACE of Persons 16 Years of Age and Over in Labor Force									
Employment Status	Total Population		White		Black		Spanish-American		
	#	%	#	%	#	%	#	%	%
Employed	13,306	97.1	13,269	97.1	14	100.0	18	100.0	
Unemployed	392	2.9	392	2.9	0		0		
Total	13,698	100.0	13,661	100.0	14	100.0	18	100.0	





METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE # 178 MELROSE

ECONOMIC CHARACTERISTICS

1970 CENSUS: Number of Persons in Families and Number of Unrelated Individuals with Income Less Than Poverty Level								
Family Status	Total Population		White		Black		Spanish-American	
	#	%	#	%	#	%	#	%
Persons in Families	1,181	69.4	1,181	69.7	0		0	
Unrelated Individuals	521	30.6	513	30.3	8	100.0	0	
Total	1,702	100.0	1,694	100.0	8	100.0	0	

1970 CENSUS: Number of Related Children Under 18 in Families Below Poverty Level by Presence of Parents								
Parental Presence	Total Population		White		Black		Spanish-American	
	#	%	#	%	#	%	#	%
Living with Both Parents	268	2.4	268	2.4	0		0	
Other	318	2.8	318	2.8	0		0	
Total	586	5.2	586	5.2	0		0	



METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE # 178 MELROSE

ECONOMIC CHARACTERISTICS

CHARACTERISTICS OF INDUSTRIAL FIRMS: 1967					
Industry	Number of Firms	Annual Payroll in \$	Average Number of Employees	Average Annual Wage in \$	
Agriculture and Mining	4	94,914	25	3,797	
Construction	74	2,077,773	289	7,190	
Manufacturing	29	12,607,168	2,136	5,902	
Transportation, Communication, and Utilities	10	385,132	104	3,703	
Wholesale and Retail Trade	128	5,209,381	1,047	4,976	
Finance, Insurance, Real Estate	32	833,654	143	5,830	
Service Industries	132	2,832,914	860	3,294	
Total	409	24,040,936	4,604	5,222	



METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE # 178 MELROSE

ECONOMIC CHARACTERISTICS

CHARACTERISTICS OF INDUSTRIAL FIRMS: 1972					
Industry	Number of Firms	Annual Payroll in \$	Average Number of Employees	Average Annual Wage in \$	
Agriculture and Mining	4	105,528	24	4,397	
Construction	69	3,563,344	339	10,511	
Manufacturing	31	5,318,376	858	6,199	
Transportation, Communication, and Utilities	14	742,123	115	6,453	
Wholesale and Retail Trade	102	5,674,750	907	6,257	
Finance, Insurance, Real Estate	27	912,666	104	8,776	
Service Industries	145	10,998,046	2,011	5,469	
Total	392	27,314,833	4,356	6,271	

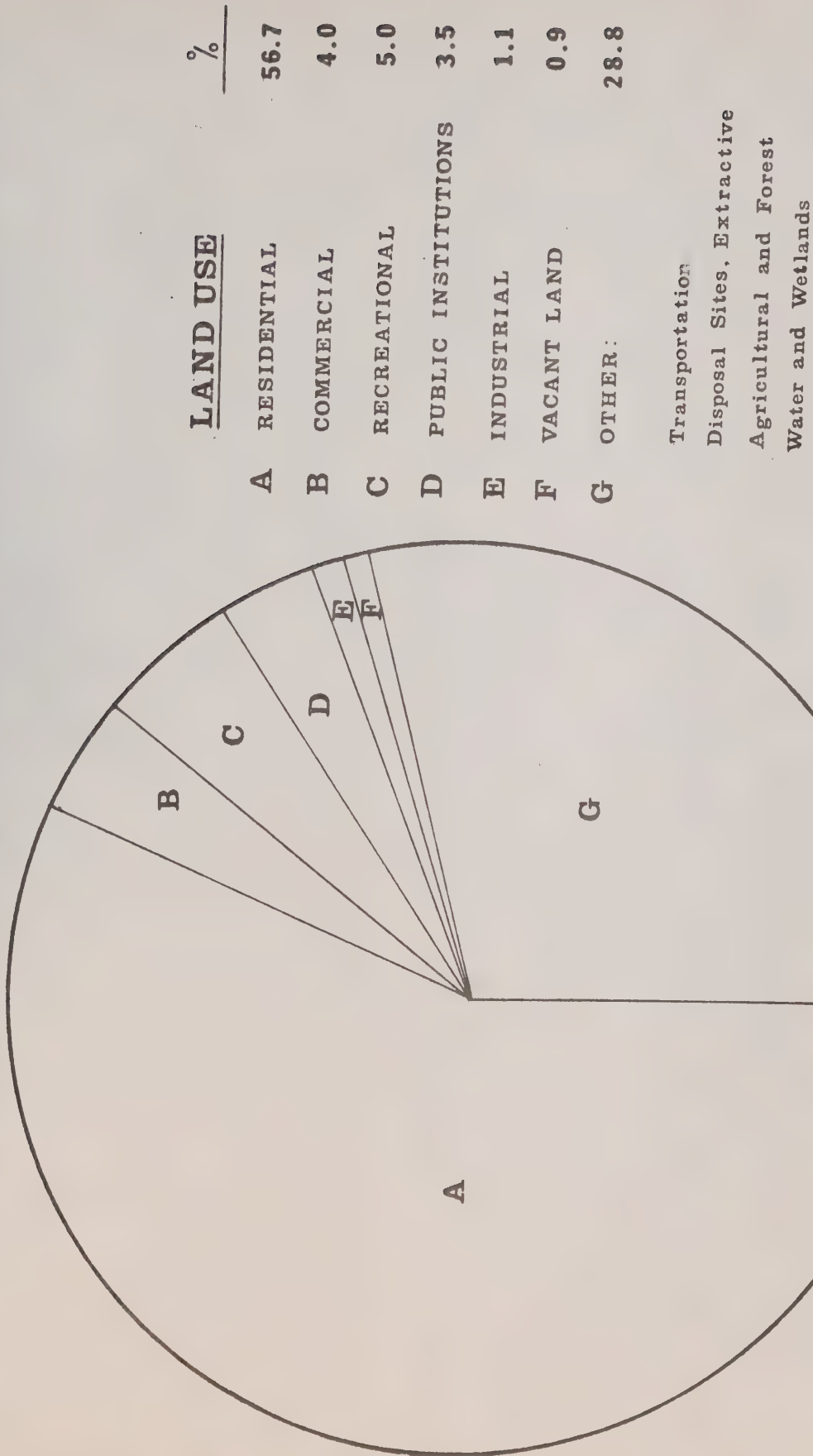




# METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE # 178

1971 LAND USE PATTERN IN

## MELROSE





METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE # 178 MELROSE

HOUSING CHARACTERISTICS

1970 CENSUS: SELECTED HOUSING CHARACTERISTICS												
Total Housing Units				Occupied Housing Units						Median Value Owner Occupied Unit		Median Contract Rent
Total		Vacant		Occupied		Total		Owner Occupied		Renter Occupied		
#	%	#	%	#	%	#	%	#	%	#	%	\$
10,219	100.0	176	1.7	10,043	98.3	10,043	100.0	7,023	69.9	3,020	31.1	23,900
												124

1970 CENSUS: NUMBER OF HOUSING UNITS by Occupancy Status and Race of Head of Household						
Occupancy Status	Total		White Head of Household		Black Head of Household	
	#	%	#	%	#	%
Owner Occupied	7,023	68.8	6,991	70.1	10	52.6
Renter Occupied	3,020	29.6	2,988	29.9	9	47.4
Vacant Year Round	169	1.7	Not Applicable			
Total	10,212	100.0	9,979	100.0	19	100.0

BUILDING PERMITS ISSUED FOR NEW Dwelling Units: 1960-1971	
Year Issued	Number
1960-1964	699
1965-1970	802
1971	152
Total	1,653





METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE # 178 MELROSE

HOUSING CHARACTERISTICS

NUMBER OF SUBSIDIZED HOUSING UNITS BY TYPE OF UNIT BY CONSTRUCTION STATUS: 1973									
Status	Total Subsidized Units	Low Income Units			Moderate Income Units			MHFA Low-Moderate Income Units	
		Elderly	Family	Leased	Elderly	Family Homeownership	Rental Assistance	Low	Moderate
Completed	270	155	0	2	109	4	0	0	0
Under Construction	114	0	0	0	0	0	114	0	0
In Planning	187	184	3	0	0	0	0	0	0

1970 CENSUS: AGE OF HOUSING UNITS									
Year Built	Total Housing Units		Black Occupied Housing Units		Other Occupied Housing Units		Spanish-American Occupied Housing Units		
	#	%	#	%	#	%	#	%	%
1965-March 1970	771	7.6							
1960-1964	597	5.8							
1950-1959	1,128	11.0							
1940-1949	723	7.1							
1939 or earlier	6,991	68.5							
Total	10,210	100.0	N.A.		N.A.				N.A.



METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE #178 MELROSE

HOUSING CHARACTERISTICS

1970 CENSUS: NUMBER OF PERSONS PER ROOM IN OCCUPIED HOUSING UNITS by Race of Head of Household						
Persons per Room	Total Occupied Units		Black Occupied Units		Other Occupied Units	
	#	%	#	%	#	%
1.00 or less	9,646	96.0	18	94.7	9,628	96.0
1.01 to 1.50	341	3.4	1	5.3	340	3.4
1.51 or more	56	0.6	0		56	0.6
Total	10,043	100.0	19	100.0	10,024	100.0

1970 CENSUS: TYPE OF HOUSING STRUCTURE			
Type	# of Structures	% of Housing Units	
1 Unit	6,410	62.8	
2 Units	1,882	18.4	
3-4 Units	483	4.7	
5-9 Units	413	4.0	
10 or more Units	1,022	10.0	
Mobile Home or Trailer	0		
Total	10,210	100.0	

1970 CENSUS: Average Number of Persons per Housing Unit	
Total Occupied Housing Units	3.3
Black Occupied Housing Units	N.A.
Other Occupied Housing Units	N.A.
Spanish-American Occupied Housing Units	N.A.



HOUSING CHARACTERISTICS

1970 CENSUS: VALUE OF OWNER OCCUPIED HOUSING UNITS BY RACE OF HEAD OF HOUSEHOLD									
	Total Owner		Black Owner		Other Owner		Spanish-American		
	#	%	Occupied Units	%	Occupied Units	%	Owner Occupied Units	%	
Less than \$5,000	21	0.3							
\$5,000 - \$7,499	29	0.5							
\$7,500 - \$9,999	36	0.6							
\$10,000 - \$12,499	89	1.5							
\$12,500 - \$14,999	184	3.0							
\$15,000 - \$17,499	434	7.1							
\$17,500 - \$19,999	836	13.8							
\$20,000 - \$24,999	1,851	30.5							
\$25,000 - \$34,999	2,005	33.0							
\$35,000 - \$49,999	528	8.7							
\$50,000 and over	60	1.0							
Total	6,073	100.0	N.A.		N.A.			N.A.	





METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE # 178 MELROSE  
HOUSING CHARACTERISTICS

1970 CENSUS: MONTHLY GROSS RENT BY RACE OF HEAD OF HOUSEHOLD									
Monthly Gross Rent	Total Renter		Black Renter		Other Renter		Spanish-American		
	#	%	#	%	#	%	Renter Occupied Units	%	
Less than \$30	0	0							
\$30 - \$49	10	0.3							
\$50 - \$69	37	1.2							
\$70 - \$89	130	4.3							
\$90 - \$119	526	1.7							
\$120 - \$149	763	25.3							
\$150 - \$199	1,102	36.6							
\$200 - \$249	285	9.5							
\$250 - \$299	51	1.7							
\$300 or more	12	0.4							
No Cash Rent	95	3.2							
Total	3,011	100.0	N.A.		N.A.			N.A.	



METROPOLITAN PLANNING PROJECT/INDIVIDUAL SCHOOL PROFILE

School District #178  
School # 005

1973-74  
School District: Melrose  
School Name: Decius Beebe  
No. & Street: West Foster  
City, State, Zip: Melrose, Mass. 02176  
Grade Organization: K-6  
Facilities:  
Initial Construction Date: 1956  
Dates of Additions or Changes:  
# Rooms, Instructional Use: 16  
# Rooms, Other Uses: 20  
TOTAL 36

1973-74  
Federal Programs  
Title I:  
Type of Program: PreSchool: Reading  
# of Students: 8  
% School Enrollment: 2.6  
Lunch Program:  
# Students, Free: 13  
# Students, Reduced Price: 0  
TOTAL 13  
% School Enrollment: 4.3  
Bilingual Program:  
# Eligible Students: 0  
% School Enrollment:  
METCO Interdistrict Program:  
# Students: 0  
% School Enrollment:

STAFF ETHNIC CENSUS: 1973-74													
Professional Staff	Census		Age				Years in Present System			Position			
	#	%	Under 26	26-34	35-55	56 & Over	Under 3	3-9	10 & Over	Administrators	Teachers	Teacher Aides	Other Professionals
TOTAL	18	100.0	1	8	7	1	1	10	6	1	15	1	1
White	14	82.3	1	7	5	1	1	8	6	1	11	1	1
Black	0		0	0	0	0	0	0	0	0	0	0	0
Spanish Surname	0		0	0	0	0	0	0	0	0	0	0	0
Asian-American	0		0	0	0	0	0	0	0	0	0	0	0
Native-American	0		0	0	0	0	0	0	0	0	0	0	0
Other	1	5.9	0	1	0	0	0	0	0	1	1	0	0





School District # 178  
School # 005

STUDENT ETHNIC CENSUS: 1973-74							
	Total	White	Non-white	Non-white			
				Black	Native-American	Asian-American	Spanish Surname
Number	303	303	0	0	0	0	0
Percent	100.0	100.0					

RACIAL CENSUS: 1967-68, 1970-71, 1972-73					
Years	Total Enrollment	White		Non-white	
		#	%	#	%
1967-1968	397	396	99.7	1	0.3
1970-1971	399	398	99.7	1	0.3
1972-1973	323	323	100.0	0	

RACIAL CENSUS: ENROLLMENT CHANGE 1967-1972			
	#	%	% Change in Proportional Distribution
TOTAL	-74	-18.6	
White	-73	-18.4	+0.3
Non-white	-1	-100.0	-100.0

ELIGIBLE TRANSITIONAL BILINGUAL STUDENTS: 1973-74		
Language	Number of Students	Percent of Bilingual Enrollment
TOTAL	0	
Chinese		
French		
Greek		
Italian		
Portuguese		
Spanish		
Other		



METROPOLITAN PLANNING PROJECT/INDIVIDUAL SCHOOL PROFILE

1973-74		School District # 178	
School District: Melrose		School # 010	
School Name: Calvin Coolidge		Federal Programs	
No. & Street: 585 Main		Title I:	
City, State, Zip: Melrose, Mass. 02176		Type of Program: PreSchool: Reading	
Grade Organization: K-6		# of Students: Language Arts, Math	
Facilities:		% School Enrollment: 8	
Initial Construction Date: 1897		Lunch Program: 2.0	
Dates of Additions or Changes: 1937		# Students, Free: 0	
# Rooms, Instructional Use: 23		# Students, Reduced Price: 2	
# Rooms, Other Uses: 16		TOTAL 0.5	
TOTAL 39		Bilingual Program: 0	
		% Eligible Students: 0	
		% School Enrollment: 0	
		METCO Interdistrict Program: 0	
		# Students: 0	
		% School Enrollment: 0	

1973-74		School District: Melrose	
School District: Melrose		School # 010	
School Name: Calvin Coolidge		Federal Programs	
No. & Street: 585 Main		Title I:	
City, State, Zip: Melrose, Mass. 02176		Type of Program: PreSchool: Reading	
Grade Organization: K-6		# of Students: Language Arts, Math	
Facilities:		% School Enrollment: 8	
Initial Construction Date: 1897		Lunch Program: 2.0	
Dates of Additions or Changes: 1937		# Students, Free: 0	
# Rooms, Instructional Use: 23		# Students, Reduced Price: 2	
# Rooms, Other Uses: 16		TOTAL 0.5	
TOTAL 39		Bilingual Program: 0	
		% Eligible Students: 0	
		% School Enrollment: 0	
		METCO Interdistrict Program: 0	
		# Students: 0	
		% School Enrollment: 0	

STAFF ETHNIC CENSUS: 1973-74										
Professional Staff	Census		Age				Years in Present System			
			Under 26	26-34	35-55	56 & Over	Under 3	3-9	10 & Over	Administrators
TOTAL	19	100.0	4	9	5	1	7	9	3	1
White	19	100.0	4	9	5	1	7	9	3	1
Black	0		0	0	0	0	0	0	0	0
Spanish Surname	0		0	0	0	0	0	0	0	0
Asian-American	0		0	0	0	0	0	0	0	0
Native-American	0		0	0	0	0	0	0	0	0
Other	0		0	0	0	0	0	0	0	0
										Teachers
										Teacher Aides
										Other Professionals
TOTAL	19	100.0	4	9	5	1	7	9	3	1
White	19	100.0	4	9	5	1	7	9	3	1
Black	0		0	0	0	0	0	0	0	0
Spanish Surname	0		0	0	0	0	0	0	0	0
Asian-American	0		0	0	0	0	0	0	0	0
Native-American	0		0	0	0	0	0	0	0	0
Other	0		0	0	0	0	0	0	0	0



School District # 178  
School # 010

STUDENT ETHNIC CENSUS: 1973-74							
	Total	White	Non-white	Non-white			
				Black	Native- American	Asian- American	Spanish Surname
Number	391	387	4	1	0	3	0
Percent	100.0	99.0	1.0	0.3		0.8	

RACIAL CENSUS: 1967-68, 1970-71, 1972-73					
Years	White		Non-white		
	#	%	#	%	%
1967-1968	947	99.7	3	0.3	
1970-1971	444	98.7	6	1.3	
1972-1973	438	99.5	2	0.5	

RACIAL CENSUS: ENROLLMENT CHANGE 1967-1972			
	#	%	% Change in Proportional Distribution
TOTAL	-510	-53.7	
White	-509	-53.7	-0.2
Non-white	-1	-33.3	+66.7

ELIGIBLE TRANSITIONAL BILINGUAL STUDENTS: 1973-74		
Language	Number of Students	Percent of Bilingual Enrollment
TOTAL	0	
Chinese		
French		
Greek		
Italian		
Portuguese		
Spanish		
Other		





## METROPOLITAN PLANNING PROJECT/INDIVIDUAL SCHOOL PROFILE

1973-74	
School District:	Melrose
School Name:	Franklin
No. & Street:	16 Franklin
City, State, Zip:	Melrose, Mass. 02176
Grade Organization:	K-6
Facilities:	
Initial Construction Date:	1964
Dates of Additions or Changes:	
# Rooms, Instructional Use:	20
# Rooms, Other Uses:	14
TOTAL	34

School District # 178	
School # 015	
1973-74	
Federal Programs	
Title I:	
Type of Program:	
# of Students:	0
% School Enrollment:	
Lunch Program:	
# Students, Free:	0
# Students, Reduced Price:	2
TOTAL	2
% School Enrollment:	0.6
Bilingual Program:	
# Eligible Students:	0
% School Enrollment:	
MEICO Interdistrict Program:	
# Students:	0
% School Enrollment:	

## STAFF ETHNIC CENSUS: 1973-74

[illegible]



School District #178  
School # 015

## STUDENT ETHNIC CENSUS: 1973-74

	Total	White	Non-white	Non-white				Spanish Surname
				Black	Native-American	Asian-American		
Number	353	353	0	0	0	0	0	0
Percent	100.0	100.0						

## RACIAL CENSUS: 1967-68, 1970-71, 1972-73

Years	Total Enrollment		White		Non-white	
	#	%	#	%	#	%
1967-1968	444	98.6	438	98.6	6	1.4
1970-1971	431	98.4	424	98.4	7	1.6
1972-1973	374	100.0	374	100.0	0	

## RACIAL CENSUS: ENROLLMENT CHANGE 1967-1972

	#	%	% Change in Proportional Distribution
TOTAL	-70	-15.8	
White	-64	-14.6	+1.4
Non-white	-6	-100.0	-100.0

## ELIGIBLE TRANSITIONAL BILINGUAL STUDENTS: 1973-74

Language	Number of Students	Percent of Bilingual Enrollment
TOTAL	0	
Chinese		
French		
Greek		
Italian		
Portuguese		
Spanish		
Other		





1973-74		School District # 178	
School District: Melrose		School # 017	
School Name: Herbert Clark Hoover		PreSchool: Reading	
No. & Street: Glendower Road		Language Arts, Math	
City, State, Zip: Melrose, Mass. 02176		4	
Grade Organization: K-6		1-2	
Facilities:			
Initial Construction Date: 1966		0	
Dates of Additions or Changes:		0	
# Rooms, Instructional Use: 17		0	
# Rooms, Other Uses: 15		0	
TOTAL: 32		0	

1973-74		Federal Programs	
Title I:		Type of Program:	
# of Students:		# of Students:	
% School Enrollment:		% School Enrollment:	
Lunch Program:		Lunch Program:	
# Students, Free:		# Students, Free:	
# Students, Reduced Price:		# Students, Reduced Price:	
TOTAL:		TOTAL:	
% School Enrollment:		% School Enrollment:	
Bilingual Program:		Bilingual Program:	
# Eligible Students:		# Eligible Students:	
% School Enrollment:		% School Enrollment:	
METCO Interdistrict Program:		METCO Interdistrict Program:	
# Students:		# Students:	
% School Enrollment:		% School Enrollment:	

STAFF ETHNIC CENSUS: 1973-74													
Professional Staff	Census		Age				Years in Present System			Position			
	#	%	Under 26	26-34	35-55	56 & Over	Under 3	3-9	10 & Over	Adminis- trators	Teachers	Teacher Aides	Other Profes- sionals
TOTAL	15	100.0	3	6	5	1	7	4	4	1	14	0	0
White	14	93.3	3	5	5	1	7	4	3	1	13	0	0
Black	0		0	0	0	0	0	0	0	0	0	0	0
Spanish Surname	0		0	0	0	0	0	0	0	0	0	0	0
Asian-American	0		0	0	0	0	0	0	0	0	0	0	0
Native-American	0		0	0	0	0	0	0	0	0	0	0	0
Other	0		0	1	0	0	1	0	0	0	1	0	0



School District # 178  
School # 017

## STUDENT ETHNIC CENSUS: 1973-74

	Total	White	Non-white	Non-white				Spanish Surname
				Black	Native-American	Asian-American		
Number	344	344	0	0	0	0		0
Percent	100.0	100.0						

## RACIAL CENSUS: 1967-68, 1970-71, 1972-73

Years	Total Enrollment	White		Non-white	
		#	%	#	%
1967-1968	408	405	99.3	3	0.7
1970-1971	386	386	100.0	0	
1972-1973	350	350	100.0	0	

## RACIAL CENSUS: ENROLLMENT CHANGE 1967-1972

	#	%	% Change in Proportional Distribution
TOTAL	-58	-14.2	
White	-55	-13.6	+0.7
Non-white	-3	-100.0	-100.7

## ELIGIBLE TRANSITIONAL BILINGUAL STUDENTS: 1973-74

Language	Number of Students	Percent of Bilingual Enrollment
TOTAL	0	
Chinese		
French		
Greek		
Italian		
Portuguese		
Spanish		
Other		



School District # 178  
School # 020

1973-74  
School District: Melrose  
School Name: Lincoln  
No. & Street: 80 West Wyoming Avenue  
City, State, Zip: Melrose, Mass. 02176  
Grade Organization: K-6  
Facilities:  
Initial Construction Date: 1867  
Dates of Additions or Changes: 1930  
# Rooms, Instructional Use: 31  
# Rooms, Other Uses: 15  
TOTAL 46

1973-74	PreSchool: Reading,
Federal Programs	Language Arts, Math
Title I:	
Type of Program:	
# of Students:	45
% School Enrollment:	11.2
Lunch Program:	
# Students, Free:	0
# Students, Reduced Price:	2
TOTAL	2
% School Enrollment:	0.5
Bilingual Program:	
# Eligible Students:	0
% School Enrollment:	
METCO Interdistrict Program:	
# Students:	0
% School Enrollment:	

[illegible]





School District # 178 School # 020
---------------------------------------

STUDENT ETHNIC CENSUS: 1973-74							
	Total	White	Non-white	Non-white			
				Black	Native-American	Asian-American	Spanish Surname
Number	401	395	6	0	0	6	0
Percent	100.0	98.5	1.5			1.5	

RACIAL CENSUS: 1967-68, 1970-71, 1972-73					
Years	Total Enrollment	White		Non-white	
		#	%	#	%
1967-1968	705	700	99.3	5	0.7
1970-1971	458	457	99.8	1	0.2
1972-1973	509	507	99.6	2	0.4

RACIAL CENSUS: ENROLLMENT CHANGE 1967-1972			
	#	%	% Change in Proportional Distribution
TOTAL	-196	-27.8	
White	-193	-27.6	+0.3
Non-white	-3	-60.0	-42.9

ELIGIBLE TRANSITIONAL BILINGUAL STUDENTS: 1973-74		
Language	Number of Students	Percent of Bilingual Enrollment
TOTAL	0	
Chinese		
French		
Greek		
Italian		
Portuguese		
Spanish		
Other		



School District #178  
School # 025

1973-74

School District:	Melrose
School Name:	Horace Mann
No. & Street:	Damon Avenue
City, State, Zip:	Melrose, Mass. 02176
Grade Organization:	K-6
Facilities:	
Initial Construction Date:	1949
Dates of Additions or Changes:	1956
# Rooms, Instructional Use:	15
# Rooms, Other Uses:	11
TOTAL	26

1973-74  
Federal Programs  
Title I:  
Type of Program: \_\_\_\_\_  
# of Students: \_\_\_\_\_  
% School Enrollment: \_\_\_\_\_  
Lunch Program: \_\_\_\_\_  
# Students, Free: \_\_\_\_\_  
# Students, Reduced Price: \_\_\_\_\_  
TOTAL  
% School Enrollment: \_\_\_\_\_  
Bilingual Program: \_\_\_\_\_  
# Eligible Students: \_\_\_\_\_  
% School Enrollment: \_\_\_\_\_  
METCO Interdistrict Program: \_\_\_\_\_  
# Students: \_\_\_\_\_  
% School Enrollment: \_\_\_\_\_

STAFF ETHNIC CENSUS: 1973-74															
Professional Staff	Census		Age				Years in Present System			Position					
			Under 26	26-34	35-55	56 & Over	Under 3	3-9	10 & Over	Administrators	Teachers	Teacher Aides	Other Professionals		
	#	%													
TOTAL	16	100.0	0	3	10	3		1	9	6		1	15	0	0
White	16	100.0	0	3	10	3		1	9	6		1	15	0	0
Black	0		0	0	0	0		0	0	0		0	0	0	0
Spanish Surname	0		0	0	0	0		0	0	0		0	0	0	0
Asian-American	0		0	0	0	0		0	0	0		0	0	0	0
Native-American	0		0	0	0	0		0	0	0		0	0	0	0
Other	0		0	0	0	0		0	0	0		0	0	0	0





School District # 178  
School # 025

STUDENT ETHNIC CENSUS: 1973-74							
	Total	White	Non-white	Non-white			
				Black	Native-American	Asian-American	Spanish Surname
Number	326	326	0	0	0	0	0
Percent	100.0	100.0					

RACIAL CENSUS: 1967-68, 1970-71, 1972-73					
Years	Total Enrollment	White		Non-white	
		#	%	#	%
1967-1968	378	378	100.0	0	
1970-1971	368	368	100.0	0	
1972-1973	326	326	100.0	0	

RACIAL CENSUS: ENROLLMENT CHANGE 1967-1972				
	#	%	% Change in Proportional Distribution	
TOTAL	-52	-13.8		
White	-52	-13.8	0.0	
Non-white	0	0.0	0.0	

ELIGIBLE TRANSITIONAL BILINGUAL STUDENTS: 1973-74		
Language	Number of Students	Percent of Bilingual Enrollment
TOTAL	0	
Chinese		
French		
Greek		
Italian		
Portuguese		
Spanish		
Other		



School District #178  
School # 030

1973-74  
School District: Melrose  
School Name: Ripley  
No. & Street: 94 Lebanon  
City, State, Zip: Melrose, Mass. 02176  
Grade Organization: K-4  
Facilities:  
Initial Construction Date: 1923  
Dates of Additions or Changes: 1930  
# Rooms, Instructional Use: 9  
# Rooms, Other Uses: 7  
TOTAL 16

1973-74	
Federal Programs	
Title I:	
Type of Program:	PreSchool: Reading
# of Students:	Language Arts, Math
% School Enrollment:	5
Lunch Program:	2.9
# Students, Free:	
# Students, Reduced Price:	
TOTAL	0
% School Enrollment:	
Bilingual Program:	
# Eligible Students:	0
% School Enrollment:	
METCO Interdistrict Program:	
# Students:	0
% School Enrollment:	

## STAFF ETHNIC CENSUS: 1973-74

[illegible]



School District # 178  
School # 030

STUDENT ETHNIC CENSUS: 1973-74					
	Total	White	Non-white	Non-white	
				Black	Native-American Asian-American Spanish Surname
Number	170	168	2	0	2 0
Percent	100.0	98.8	1.2		1.2

RACIAL CENSUS: 1967-68, 1970-71, 1972-73					
Years	Total Enrollment	White		Non-white	
		#	%	#	%
1967-1968	197	197	100.0	0	
1970-1971	206	206	100.0	0	
1972-1973	180	180	100.0	0	

RACIAL CENSUS: ENROLLMENT CHANGE 1967-1972			
	#	%	% Change in Proportional Distribution
TOTAL	-17	-8.6	
White	-17	-8.6	0.0
Non-white	0	0.0	0.0

ELIGIBLE TRANSITIONAL BILINGUAL STUDENTS: 1973-74		
Language	Number of Students	Percent of Bilingual Enrollment
TOTAL	0	
Chinese		
French		
Greek		
Italian		
Portuguese		
Spanish		
Other		





## METROPOLITAN PLANNING PROJECT/INDIVIDUAL SCHOOL PROFILE

School District # 178	
School # 035	
1973-74	
Federal Programs	
Title I:	
Type of Program:	
# of Students:	0
% School Enrollment:	
Lunch Program:	
# Students, Free:	
# Students, Reduced Price:	
TOTAL	0
% School Enrollment:	
Bilingual Program:	
# Eligible Students:	0
% School Enrollment:	
METCO Interdistrict Program:	
# Students:	0
% School Enrollment:	

1973-74	
School District:	Melrose
School Name:	Roosevelt
No. & Street:	253 Vinton
City, State, Zip:	Melrose, Mass. 02176
Grade Organization:	K-6
Facilities:	
Initial Construction Date:	1924
Dates of Additions or Changes:	1953, 58
# Rooms, Instructional Use:	27
# Rooms, Other Uses:	20
TOTAL	47

[illegible]









1973-74 Federal Programs		School District # 178 School # 040
Title I:		
Type of Program:		
# of Students:		0
% School Enrollment:		
Lunch Program:		
# Students, Free:		
# Students, Reduced Price:		0
TOTAL		
% School Enrollment:		
Bilingual Program:		
# Eligible Students:		0
% School Enrollment:		
METCO Interdistrict Program:		
# Students:		0
% School Enrollment:		

[illegible]



School District # 178 School # 040
---------------------------------------

STUDENT ETHNIC CENSUS: 1973-74							
	Total	White	Non-white	Non-white			
				Black	Native-American	Asian-American	Spanish Surname
Number	328	322	6	2	0	0	4
Percent	100.0	98.2	1.8	0.6			1.2

RACIAL CENSUS: 1967-68, 1970-71, 1972-73					
Years	Total Enrollment	White		Non-white	
		#	%	#	%
1967-1968	467	464	99.4	3	0.6
1970-1971	396	394	99.5	2	0.5
1972-1973	340	338	99.4	2	0.6

RACIAL CENSUS: ENROLLMENT CHANGE 1967-1972			
	#	%	% Change in Proportional Distribution
TOTAL	-127	-27.2	
White	-126	-27.2	0.0
Non-white	-1	-33.3	0.0

ELIGIBLE TRANSITIONAL BILINGUAL STUDENTS: 1973-74		
Language	Number of Students	Percent of Bilingual Enrollment
TOTAL	0	
Chinese		
French		
Greek		
Italian		
Portuguese		
Spanish		
Other		



## METROPOLITAN PLANNING PROJECT/INDIVIDUAL SCHOOL PROFILE

School District # 178	
School # 050	
1973-74	
Federal Programs	
Title I:	
Type of Program:	
# of Students:	0
% School Enrollment:	
Lunch Program:	
# Students, Free:	0
# Students, Reduced Price:	1
TOTAL	1
% School Enrollment:	0.2
Bilingual Program:	
# Eligible Students:	0
% School Enrollment:	
METCO Interdistrict Program:	
# Students:	0
% School Enrollment:	

1973-74  
School District: Melrose  
School Name: Winthrop  
No. & Street: 162 First  
City, State, Zip: Melrose, Mass. 02176  
Grade Organization: K-5  
Facilities:  
Initial Construction Date: 1956  
Dates of Additions or Changes: \_\_\_\_\_  
# Rooms, Instructional Use: 24  
# Rooms, Other Uses: 16  
TOTAL 40

[illegible]





School District # 178
School # 050

STUDENT ETHNIC CENSUS: 1973-74							
	Total	White	Non-white	Non-white			Spanish Surname
				Black	Native-American	Asian-American	
Number	488	485	3	0	0	3	0
Percent	100.0	99.4	0.6			0.6	

RACIAL CENSUS: 1967-68, 1970-71, 1972-73					
Years	Total Enrollment	White		Non-white	
		#	%	#	%
1967-1968	684	683	99.9	1	0.1
1970-1971	543	541	99.6	2	0.4
1972-1973	488	484	99.2	4	0.8

RACIAL CENSUS: ENROLLMENT CHANGE 1967-1972			
	#	%	% Change in Proportional Distribution
TOTAL	-196	-28.7	
White	-199	-29.1	+0.7
Non-white	+3	+300.0	+700.0

ELIGIBLE TRANSITIONAL BILINGUAL STUDENTS: 1973-74		
Language	Number of Students	Percent of Bilingual Enrollment
TOTAL	0	
Chinese		
French		
Greek		
Italian		
Portuguese		
Spanish		
Other		



METROPOLITAN PLANNING PROJECT/INDIVIDUAL SCHOOL PROFILE

1973-74 Federal Programs		School District # 178 School # 405
Title I:		
Type of Program:		
# of Students:		0
% School Enrollment:		
Lunch Program:		
# Students, Free:		Included in
# Students, Reduced Price:		Melrose
TOTAL		High
% School Enrollment:		
Bilingual Program:		
# Eligible Students:		0
% School Enrollment:		
METCO Interdistrict Program:		
# Students:		0
% School Enrollment:		

1973-74	
School District:	Melrose
School Name:	Melrose Jr. High
No. & Street:	Lynn Fells Pkwy.
City, State, Zip:	Melrose, Mass. 02176
Grade Organization:	7-9
Facilities:	
Initial Construction Date:	1933
Dates of Additions or Changes:	1961
# Rooms, Instructional Use:	88
# Rooms, Other Uses:	49
TOTAL	137

STAFF ETHNIC CENSUS: 1973-74													
Professional Staff	Census		Age				Years in Present System			Position			
	#	%	Under 26	26-34	35-55	56 & Over	Under 3	3-9	10 & Over	Administrators	Teachers	Teacher Aides	Other Professionals
TOTAL	117	100.0	7	50	44	9	22	52	36	5	100	2	10
White	115	98.1	7	48	44	9	20	52	36	5	98	2	10
Black	0		0	0	0	0	0	0	0	0	0	0	0
Spanish Surname	0		0	0	0	0	0	0	0	0	0	0	0
Asian-American	0		0	0	0	0	0	0	0	0	0	0	0
Native-American	0		0	0	0	0	0	0	0	0	0	0	0
Other	2	2.0	0	2	0	0	2	0	0	0	8	0	0





School District # 178  
School # 405

STUDENT ETHNIC CENSUS: 1973-74							
	Total	White	Non-white	Non-white			
				Black	Native-American	Asian-American	Spanish Surname
Number	1,654	1,638	16	1	3	9	3
Percent	100.0	99.0	1.0	0.1	0.2	0.5	0.2

RACIAL CENSUS: 1967-68, 1970-71, 1972-73					
Years	Total Enrollment	White		Non-white	
		#	%	#	%
1967-1968	0	0		0	
1970-1971	1,829	1,813	99.1	16	0.9
1972-1973	1,678	1,664	99.2	14	0.8

RACIAL CENSUS: ENROLLMENT CHANGE 1967-1972			
	#	%	% Change in Proportional Distribution
TOTAL	1,678	Not Applicable	
White	1,664	Not Applicable	Not Applicable
Non-white	14	Not Applicable	Not Applicable

ELIGIBLE TRANSITIONAL BILINGUAL STUDENTS: 1973-74		
Language	Number of Students	Percent of Bilingual Enrollment
TOTAL	0	
Chinese		
French		
Greek		
Italian		
Portuguese		
Spanish		
Other		



School District # 178  
School # 505

1973-74

School District:	Melrose
School Name:	Melrose High
No. & Street:	Lynn Fells Pkwy.
City, State, Zip:	Melrose, Mass. 02176
Grade Organization:	10-12
Facilities:	
Initial Construction Date:	1933
Dates of Additions or Changes:	1961
# Rooms, Instructional Use:	96
# Rooms, Other Uses:	52
TOTAL	148

School District # 178	
School # 505	
1973-74	
Federal Programs	
Title I:	
Type of Program:	
# of Students:	0
% School Enrollment:	
Lunch Program:	
# Students, Free:	41
# Students, Reduced Price:	2
TOTAL	43
% School Enrollment:	1.3 (Includes
Bilingual Program:	Melrose Jr.
# Eligible Students:	0 High)
% School Enrollment:	
METCO Interdistrict Program:	
# Students:	0
% School Enrollment:	

[illegible]



School District # 178  
School # 505

## STUDENT ETHNIC CENSUS: 1973-74

	Total	White	Non-white	Non-white			
				Black	Native-American	Asian-American	Spanish Surname
Number	1,617	1,604	13	2	1	5	5
Percent	100.0	99.2	0.8	0.1	0.1	0.3	0.3

## RACIAL CENSUS: 1967-68, 1970-71, 1972-73

Years	Total Enrollment	White		Non-white	
		#	%	#	%
1967-1968	2,127	2,116	99.5	11	0.5
1970-1971	1,675	1,665	99.4	10	0.6
1972-1973	1,675	1,663	99.3	12	0.7

## RACIAL CENSUS: ENROLLMENT CHANGE 1967-1972

	#	%	% Change in Proportional Distribution
TOTAL	-452	-21.3	
White	-453	-21.4	+0.2
Non-white	+1	+9.1	+40.0

## FOLLOW UP OF HIGH SCHOOL GRADUATES: 1968, 1972

Post High School Placement	Class of			
	1968		1972	
	#	%	#	%
4-yr. State College	82	16.9	82	14.7
4-yr. Other College	119	24.5	105	18.9
2-yr. State College	35	7.2	36	6.5
2-yr. Other College	18	3.7	25	4.5
Nurses Training	4	0.8	8	1.4
Other Post Secondary	82	16.9	58	10.4
Military	13	2.7	7	1.3
Work	117	24.1	197	35.4
Other	15	3.1	38	6.8
TOTAL	485	100.0	556	100.0

## ELIGIBLE TRANSITIONAL BILINGUAL STUDENTS: 1973-74

Language	Number of Students	Percent of Bilingual Enrollment
TOTAL	0	
Chinese		
French		
Greek		
Italian		
Portuguese		
Spanish		
Other		



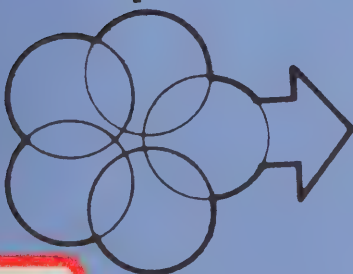


# METRO WAYS TO UNDERSTANDING

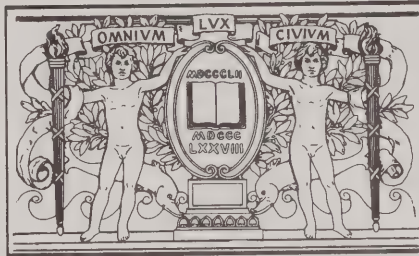
A PLAN FOR THE VOLUNTARY ELIMINATION OF  
RACIAL AND ETHNIC ISOLATION IN THE SCHOOLS  
OF THE BOSTON METROPOLITAN AREA

## VOLUME III COMMUNITY PROFILES

TOWN OF  
MIDDLETON



THE METROPOLITAN PLANNING PROJECT



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"METRO WAYS TO UNDERSTANDING:

A Plan for the Voluntary Elimination of  
Racial and Ethnic Isolation in the Schools of  
The Boston Metropolitan Area

VOLUME III THE COMMUNITY PROFILES

Community Profile # 184  
Town of Middleton

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1973-74

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## ABSTRACT

The Metropolitan Planning Project is a collaborative effort of 17 school districts supported by an additional 39 approving school districts within the Boston Metropolitan Area. Its mandate is to develop a Ten Year Plan for the phased elimination of racial and ethnic isolation in the area's schools through voluntary school district collaboration. The Project is funded by the U.S. Office of Education under the Emergency School Aid Act of 1972.

METROWAYS TO UNDERSTANDING: A Plan for the Voluntary Elimination of Racial and Ethnic Isolation in the Schools of the Boston Metropolitan Area is a phased Ten Year Plan which is a result of the process that the Metropolitan Planning Project has undergone during this year of planning. The Project has worked to achieve effective community participation in an effort to design quality learning environment programs for students. As a result of a city and suburban exchange of ideas, the Metropolitan Planning Project has helped to promote the development of over 78 proposals in 32 cities and towns for the design of new innovative learning environments. With a \$300,000 allocation for pilot programming, 14 pilot projects were funded to test MPP objectives. The projects included students from pre-kindergarten through high school age. The focus ranged from American history, art, ecology, energy, comparative life styles to Afro-American, Hispanic, Native-American, and Chinese-American cultures.

The Project has also compiled extensive data on the educational, demographic, housing, fiscal, socio-economic, land use and ethnic and racial characteristics of the 78 towns and cities in the greater Boston standard metropolitan statistical area (SMSA). This information was developed as a needs analysis and resource inventory and has been utilized in the development of the recommended educational programs. It provides the basis for program implementation. The Ten Year Plan METROWAYS TO UNDERSTANDING is aimed at promoting voluntary collaboration between urban and suburban school districts and includes the involvement of students, parents, teachers, school principals, superintendents, community organizations and others concerned with education.

During the 1974-75 school year, the Metropolitan Planning Project will pilot some of the policy recommendations developed through this participatory planning process. These recommendations include:

METROPATHWAYS - Quality innovative educational programs which will be accessible to secondary school students of different socio-economic, racial, and ethnic background within the metropolitan area by utilizing mass transit routes.

METROPAIRWAYS - Parents and school personnel from pairs or triads of city and suburban districts will meet to formulate educational programs of equal benefit to the students. Learning centers will be developed in two or three schools and each will serve as a supplement to the educational quality of each individual school.

METROETHNIC HERITAGE RESOURCE CENTERS - These will be coordinated within METROCENTER and will promote the study, compilation, production and distribution of materials and information related to minorities and ethnic groups of the SMSA. It will also be an action program for the development of other resource centers in the metropolitan area.

METROCENTER FOR COMMUNICATIONS, COUNSELLING, AND RESOURCE DEVELOPMENT - This center will coordinate the metropolitan educational programs and serve as an information and resource "bank" for students, parents, community groups and educators throughout the metropolitan area who wish to be involved in urban-suburban educational programs and staff development programs aimed at eliminating racial and ethnic isolation of students.

#### ACKNOWLEDGEMENT

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Marcia Marker Feld,  
Executive Director



Executive Director: September 1973 - June 1974

Dr Forbes Bottomly

Support Research Staff: September 1973 - June 1974

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## INTRODUCTION TO THE NOTES AND SOURCES FOR THE COMMUNITY PROFILES

The Community Profiles were developed for the 78 municipalities that comprise the study area of the Metropolitan Planning Project (MPP). The study area is defined as the 1963 Boston standard metropolitan statistical area (SMSA) boundaries. The Profiles were prepared to meet the mandate of Objective B of the Support Research component of the MPP proposal. This mandate is:

To develop profiles and analysis of social, ethnic, economic, and educational characteristics of the metropolitan area and of its individual communities.

The purpose of these profiles are to serve as the data base for the Ten Year Plan and to develop information for the implementation of educational programs through the analyses of the interaction between the education system and related urban functional systems.

A Community Profile was developed for each of the following cities and towns:

Arlington	Lexington	Randolph
Ashland	Lincoln	Reading
	Lynn	Revere
Bedford	Lynnfield	Rockland
Belmont		
Beverly	Malden	Salem
Boston	Manchester	Saugus
Braintree	Marblehead	Scituate
Brookline	Marshfield	Sharon
Burlington		Sherborn
	Medfield	Somerville
Cambridge	Medford	Stoneham
Canton	Melrose	Sudbury
Chelsea	Middleton	Swampscott
Cohasset	Millis	
Concord	Milton	Topsfield
Danvers	Nahant	Wakefield
Dedham	Natick	Walpole
Dover	Needham	Waltham
Duxbury	Newton	Watertown
	Norfolk	Wayland
Everett	North Reading	Wellesley
	Norwell	Wenham
Framingham	Norwood	Weston
		Westwood
Hamilton	Peabody	Weymouth
Hanover	Pembroke	Wilmington
Hingham		Winchester
Holbrook	Quincy	Winthrop
Hull		Woburn

There are also Profiles for each of the following regional school districts:

Dover-Sherborn  
Experimental School System of the Commonwealth of Massachusetts  
Hamilton-Wenham  
Lincoln-Sudbury  
North Shore Regional Vocational

The information in the Community Profiles assess the needs and resources of each community. It is helpful in planning for the future of each school system as well as in the development of educational curricula and programs. These will utilize school and community based resources for metropolitan educational programs for the elimination of racial and ethnic student isolation in the school districts of the SMSA. More detailed analyses of each of these communities, including a series of tables comparing these school districts and an "Analyses of Grouped Communities", are found in earlier Volumes.

These notes were prepared so that persons interested in obtaining further detailed information or in updating present data can easily do so. The source of the information and where it is located is given for each table. Non-classified government information is available by public law to all persons. This includes individual public school records as well as municipal, county, state, and federal data.

There are two sections of the Community Profiles. The first section, Community Profiles, displays educational and educational-related information about the community. The second section, Individual School Profiles, displays educational information about each individual school in the district. The page number at the beginning of a table corresponds to the page number of the Community Profile. Each Individual School Profile is 2 pages and notes for the tables are consistent with this format.

## NOTES AND SOURCES FOR THE COMMUNITY PROFILES

### EDUCATIONAL CHARACTERISTICS

#### PAGE 1 - NUMBER OF SCHOOLS AND ENROLLMENT

By Type of School: 1973-74

The information on the total number of schools in a school district, as well as the number of Elementary, Junior High, High Schools, Special and Ungraded, Regional, and Vocational Schools in a district, were obtained from the Massachusetts State Department of Education, Bureau of Educational Information Services, Massachusetts School Directory 1973-74. This publication lists the name, address, and grade organization of each school in the Commonwealth. It notes which schools are Special, Ungraded, Regional, or Vocational. Elementary Schools are those schools composed of one or all the grades K through 5 or grades K through 6. Junior High Schools are those schools composed of one or all the grades 6 through 8; schools with grades 5-6, 5-7, 5-8, and 7-9 are counted as Junior High Schools. High Schools are those schools composed of one or all of the grades 9 through 12.

The "Total", "White", and "Non-white" enrollments for each type of school were obtained from a survey conducted by the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Enrollment by Classification, Exhibit II, 1973-74. The enrollments for all Elementary Schools, Junior High Schools, High Schools, Special and Ungraded Schools, Regional Schools, and Vocational Schools in a school district which is recorded in this table were totalled by the Metropolitan Planning Project (MPP) support research staff.

#### PAGE 1 - SCHOOL ATTENDING CHILDREN IN PUBLIC and Non-public Schools

This information was obtained from the Commonwealth of Massachusetts, Annual Report of the State Department of Education for the Year Ending June 30, 1968; Annual Report ... June 30, 1971; and Annual Report ... June 30, 1973. The percentage of "Public" and "Non-public" school attending children were calculated by the MPP support research staff.

#### PAGE 1 - EDUCATIONAL COLLABORATIVE PARTICIPATION 1973-74

The educational collaboratives listed in this table were found in the following sources:



The Massachusetts State Department of Education, Bureau of Educational Information Services, Massachusetts School Directory, 1973-74; Institute for Educational Services, Inc., "Survey on Collaboration", 1971; Metropolitan Planning Project Support Research Component Telephone Survey, 1974; Massachusetts State Department of Education, Division of Curriculum and Instruction, Kaleidescope 7, 1973,

Other educational collaboratives in the Boston metropolitan area were not available from these sources.

PAGE 1 - 1970 CENSUS: SCHOOL ENROLLMENT FOR  
Level and Type of School by Race  
(Population 3 - 34 years)

This information was obtained from the United States Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing. U.S. Census information is available in published monographs, which are available at libraries and governmental agencies, and on computer tapes. The data on computer tape is organized into sequences and each sequence is referred to as a "count". Within each "count", the data is subdivided into tables, and each table has been given a number and title. The information in this table was obtained from the 4th Count Population Summary Tapes for Massachusetts, Table 38, "Population 3 Years Old and Over Enrolled in School by Level and Type of School." This information was based on a 15 percent sample survey. The percentages may not add up to 100 percent because of rounding. An N.A. indicates that this information was not available for the school district. The "Spanish-American" category includes people who are both "White" and "Black" according to the Census definition so that the total of the "White", "Black" and "Spanish-American" columns will never equal the "Total" population column.

PAGE 1 - FEDERALLY-FUNDED PROGRAMS: 1973-74

The information on Title I students in each school district was obtained from the Massachusetts State Department of Education, Division of Curriculum and Instruction, Bureau of Curriculum Services, Title I ESEA, "Unpublished Title I Program Documents, 1973-74". The Title III information was obtained from the Massachusetts State Department of Education, Division of Curriculum and Instruction, Bureau of Curriculum Services, Title III ESEA, Kaleidescope 7, 1973 and the Metropolitan Planning Project support research staff telephone survey of Title III Program Directors, July-August, 1974. The percent total enrollment was calculated by dividing the number of students in Title I and III programs by the total number of students in the district during the 1973-74 school year. The total number of students was obtained from the Massachusetts



State Department of Education, Division of Research, Planning, and Evaluation, Enrollment by Classification, Exhibit II, 1973-74. This is the same total that appears in the "Student Ethnic Census: 1973-74" table on page 2.

The Title I and Title III programs are funded by the U.S. Office of Education and were enacted by the U.S. Congress as part of the 1965 Elementary and Secondary Education Act (ESEA). The Title I program provides assistance for "educationally deprived and neglected and delinquent children." The Title III program "supports proposals to advance creativity in education."

PAGE 2 - RACIAL CENSUS: 1967-68; 1970-71; 1972-73

The information on the "Total", "White", and "Non-white" enrollments for these three school years was obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Racial Census, October, 1967; Racial Census, October, 1970; and Racial Census, October, 1972. The Racial Census does not indicate which students were considered "White" and which were considered "Non-white".

PAGE 2 - RACIAL CENSUS: ENROLLMENT CHANGE 1967-1972

These figures were calculated from the previous table by the MPP support research staff. The figures under the number sign (#) column were calculated by subtracting from the "Total", "White" or "Non-white" enrollment for the 1972-73 school year the "Total", "White" or "Non-white" enrollment for the 1967-68 school year. For example, if the 1972-73 total enrollment was 100 students and the 1967-68 enrollment was 50 students, the enrollment change would be +50(100-50) and this figure would appear in the appropriate box. The figures under the percent (%) column were derived by dividing the difference between the 1972-73 and 1967-68 enrollment by the 1967-68 enrollment. If the difference, for example, between the 1972-73 and 1967-68 enrollments was +50 and the 1967-68 enrollment was 50, the percent change would be +100 (+50/50). The figures under the "% Change in Proportional Distribution" column were calculated as follows:

The "% White" (or "% Non-white") for 1972-73 was subtracted from the "% White" (or "% Non-white") for 1967-68.

This difference was divided by the "% White"(or "% Non-white") for 1967-68 and this is the figure that was recorded. For example, if the "% White" in 1967-68 was 75% and the "% White" in 1972-73 was 50%, the "% Change in Proportional Distribution" would be calculated as follows:  
$$(50-75)/75 = (-25)/75 = -0.33.$$

Since the percent "Total Enrollment" is always 100%, no "% Change in Proportional Distribution" was calculated or recorded for "Total Enrollment". If there is a percent change from 0 to any number the "% Change in Proportional Distribution" is mathematically undefined. This is noted by the word "Undefined".

PAGE 2 - STUDENT ETHNIC CENSUS: 1973-74

This information was obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Enrollment by Classification, Exhibit II, 1973-74. The figures in the "White" column include white students and students of racial backgrounds other than "Black", "Native-American", "Asian-American", and "Spanish Surname". "Spanish Surname" students were placed in the "Non-white" category.

PAGE 2 - FOLLOW-UP OF HIGH SCHOOL GRADUATES: 1968; 1972

The information on the post high school placement of 1968 graduates was obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Distribution of Graduating Class, 1969. The number of students in each of the various placement categories may not equal the total number of high school graduates because information on all placements was not available. Some of the school districts are members of regional high schools so that information on their high school students would be included in the regional high school data. There is, therefore, no information recorded for the following school districts (the name of the regional high school their students attend is in parentheses):

- Concord (Concord-Carlisle Regional High School)
- Dover (Dover-Sherborn Regional High School)
- Hamilton (Hamilton-Wenham Regional High School)
- Lincoln (Lincoln-Sudbury Regional High School)
- Middleton (Masconomet Regional High School)
- Nahant (all Nahant high school students attend high schools in Lynn)
- Norfolk (King Philip Regional High School)
- Sherborn (Dover-Sherborn Regional High School)
- Sudbury (Lincoln-Sudbury Regional High School)
- Topsfield (Masconomet Regional High School)
- Wenham (Hamilton-Wenham Regional High School)

If there was no information available on high school graduates in a particular district, this is noted by an N.A. in the first column (under the # sign). The information on the 1972 graduates was obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Distribution of High School Graduates, Class of 1972, Fall 1973. The districts which sent their high school students to regional schools in 1968 remained the same and, therefore, no information on 1972 high school graduates for these districts is recorded. In addition to these districts, there will be no information for Pembroke since their high school students now attend Silver Lake Regional High School. The percentages in the 1972 column may not add up to 100% because of rounding.

PAGE 2 - ELIGIBLE TRANSITIONAL BILINGUAL STUDENTS: 1973-74

The number of students eligible for a transitional bilingual program was obtained from the Massachusetts State Department of Education, Bureau of Transitional Bilingual Education, Census of Children of Limited English Speaking Ability on October 1, 1973, under Chapter 71A, Act of 1971. This Census of all public school students is conducted each year in order to determine how many students are of limited English speaking ability as defined in Chapter 71A and, thus, eligible for transitional bilingual classes. The "Percent of Bilingual Enrollment" was calculated by the MPP support research staff by dividing the number of students in each language category, such as "Chinese" or "French" by the "Total" number of eligible bilingual students.

PAGE 3 - PUBLIC SCHOOL STUDENT ENROLLMENTS: 1964 - 1982

Past Enrollments: 1964 - 1972

Projected Enrollments: 1973 - 1982

This information was prepared for the Metropolitan Planning Project by the Organization for Social and Technical Innovation, Inc. (OSTI).

These enrollment projections are based on time-series enrollment data from 1964 through 1972, obtained from the Massachusetts State Department of Education, Division of Research, Planning and Evaluation. The source of the historical enrollment data for the forecast categories "Total K-12", "Total K-6", "Total 7-12", "White K-12" and "Non-white K-12" was the superintendent's report entitled Census Report.

The numbers in parentheses under each forecast category represents the  $R^2$  (coefficient of determination) for that particular projected enrollment series. It is presented to indicate a rough sense of the reliability of each forecast --  $R^2$ 's of .8 or .9 are very reliable,  $R^2$ 's of .5, .6, or .7 are good, and  $R^2$ 's of .4 or less are unreliable. When the projections for subcategories (for example, "White K-12" and "Non-white K-12" are subcategories of "Total K-12") are totaled, they do not necessarily equal the projected enrollment figures for the total category. This is because each forecast category was projected independently from the others and the projections selected are not necessarily each derived from the same mathematical equation, since the best projection was selected for each forecast category largely independent of the projections selected for other forecast categories.

School districts with no projections presented or particular forecast categories left blank means the projection here was entirely unsuccessful, sometimes for mathematical reasons, sometimes because of missing years of historical data, and sometimes because of almost certain incorrect historical enrollment data.

PAGE 4 - NUMBER OF TEACHERS BY RACE: 1972-73

This information was obtained from the U.S. Department of Health, Education, and Welfare, Office for Civil Rights, Directory of Public Elementary and Secondary



Schools in Selected Districts, Enrollment and Staff by Racial/Ethnic Group, Fall, 1974. Since this information was collected from selected school districts, data was only available for 68 of the 83 Boston metropolitan area districts. MPP support research staff contacted the remaining districts to complete the survey. The following school districts provided this information:

Cohasset  
Dover  
Dover-Sherborn Regional High School  
Experimental School System of the Commonwealth of Massachusetts  
Hamilton-Wenham Regional High School  
Holbrook  
Manchester  
Nahant  
Topsfield  
Wenham

An N.A. indicates that this information was not available for the school district. Spanish Surname teachers were placed in the "Non-white" category.

PAGE 4 - NUMBER OF TEACHERS, TEACHER-AIDES, AND OTHER PROFESSIONAL STAFF: 1973-74

This information was obtained from the U.S. Equal Employment Opportunity Commission, Elementary-Secondary Staff Information (EEO-5), October 1, 1973. Since this information was collected on a selected school district basis, the MPP support research staff surveyed the remaining districts to obtain this information. The following school districts provided this information:

Ashland  
Beverly  
Braintree  
Cohasset  
Experimental School System of the Commonwealth of Massachusetts  
Framingham  
Hamilton-Wenham Regional High School  
Manchester  
Medfield  
Medford  
Middleton  
Millis  
Nahant  
Norfolk  
Pembroke  
Saugus  
Sherborn  
Sudbury  
Topsfield  
Walpole

The "Other Professional Staff" category include the following staff positions: Officials, Administrators, Managers, Principals, Assistant Principals, Guidance Personnel, Psychologists, Librarians, Supervisors of Instruction, and all other professional staff. An N.A. indicates that this information was not available for the school district.

#### PAGE 5 - SELECTED FINANCIAL CHARACTERISTICS

The information on "% Municipal Tax Dollar Spent on Education" was obtained from the Commonwealth of Massachusetts, Annual Report of the Department of Education for the Year Ending June 30, 1968; Annual Report ... June 30, 1971; Annual Report ... June 30, 1973.

The "% Municipal Tax Dollar Spent on Education" was calculated by the MPP support research staff by dividing the school tax rate by the general tax rate. For example, if the school tax rate in a town was \$24 and the total tax rate was \$48, the "% Municipal Tax Dollar Spent on Education" would be 50% (24/48).

The information on "Comprehensive Per Pupil Expenditure" was obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Per Pupil Expenditures 1967-68; Per Pupil ... 1970-71; Per Pupil ... 1972-73. This per pupil expenditure is the integrated per pupil cost for the Regular Day, Vocational Day, and Special Education Programs and pro-rated Regional School Expenditures divided by the average membership of students in those programs.

The information on "Public School Attending Children Transported at Public Expense" was obtained from the Commonwealth of Massachusetts, Annual Report of the Department of Education for the Year Ending June 30, 1968; Annual Report ... June 30, 1971; Annual Report ... June 30, 1973. Discrepancies may appear in this table because the data received was unaudited.

The information on "Computative Equalized Property Valuation per School Attending Child" was obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, School Aid to Massachusetts Cities and Towns, (Chapter 70 Amended), 1967-68; School Aid ... 1970-71; School Aid ... 1972-73. Computative equalized property valuation for any one year is equal to the equalized property valuation the previous calendar year divided by the number of school attending children for that school year. For example, the computative equalized valuation for 1967-68 is derived by dividing the equalized property valuation for 1966 by the number of school attending children for 1967-68.

#### PAGE 5 - TAX RATE

This information was obtained from the Massachusetts Teachers Association, Background Data for Massachusetts School Districts 1973, Research Bulletin 734-9, 1973. The official tax rate is equal to a city or town's budget needs divided by the assessed value (tax rate=budget needs/assessed value). The equalized



tax rate is equal to the town's budget needs divided by the true market value of property in a city or town, as determined by the Massachusetts Department of Corporations and Taxation (equalized tax rate=budget needs/full market value). The tax rate indicates the number of dollars per \$1,000 of assessed valuation a person or corporation would be taxed on property owned.

PAGE 5 - SCHOOL TAX RATE

This information was obtained from the Massachusetts Teachers Association, Background Data for Massachusetts School Districts 1973, Research Bulletin 734-9, 1973. The official school tax rate is equal to a city or town's school budget needs divided by the assessed value (school tax rate=school budget needs/assessed value). The equalized school tax rate is equal to the town's school budget needs divided by the true market value of property in a city or town, as determined by the Massachusetts Department of Corporations and Taxation (equalized school tax rate=school budget needs/full market value). The school tax rate indicates the number of dollars per \$1,000 of assessed valuation a person or corporation would be taxed on property owned.

PAGE 5 - 1973 MOODY'S BOND RATING

This information was obtained from Moody's Investor Service, Moody's Bond Record, December 1973. The bonds were rated by Moody's Investor Service in the following order, with the first rating assigned to the bonds judged to be of highest quality and the last rating assigned to bonds judged to be of lowest quality:

Aaa	Baa	Caa
Aa	Ba	Ca
A	B	C

The bonds in the A and Baa groups which Moody's determined had the strongest investment attributes were designated by the symbols A-1 and Baa-1.

PAGE 5 - PUBLIC SCHOOL STUDENTS  
Receiving Subsidized Lunches: 1973-74

This information was obtained from the Massachusetts State Department of Education, Bureau of Nutrition Education and School Food Services Education, "Average Number of Lunches Served to Needy". The figures in this table was calculated by taking the number of needy students served lunches in a school during the month of January, 1974 and dividing this number of the number of days schools were opened that month. The average number of lunches served per day in each school were totalled by the MPP support research staff to develop the school district totals.

The "% of Total Enrollment" was calculated by dividing the number of lunch program students by the 1973-74 total school district enrollments obtained from the Massachusetts State Department of Education, Division of Research, Planning and Evaluation, Enrollment by Classification, Exhibit II, 1973-74.

PAGE 5 - STUDENTS ENROLLED IN METCO

The information on the number of METCO (Metropolitan Council for Educational Opportunities, Inc.) students during the 1967-68 school year was obtained from the Massachusetts State Department of Education, Bureau of Equal Education Opportunity, "Recommendations for Funding of Plans Submitted Under Chapter 506 of the Acts of 1966," 1968. The 1970-71 information was obtained from the Massachusetts State Department of Education, Bureau of Equal Educational Opportunity, "Fiscal Report, METCO 1970-71 Program". The 1972-73 information was obtained from the Massachusetts State Department of Education, Bureau of Equal Educational Opportunity, "Memorandum to Rae Cecilia Kipp [Chairman, State Board of Education] from Charles L. Glenn and Cecilia M. DiBella, August 22, 1972. Subject: METCO Program for 1972-73." The information for the 1973-74 school year was obtained from the METCO files "Unpublished Student Enrollment Records", August, 1974. This information was obtained on a school by school basis; the schools figures were totalled by the MPP support research staff to develop the school district totals.

The "% of Total Enrollment" for the 1967-68; 1970-71; and 1972-73 school years were calculated by dividing the number of METCO students by the total number of students for that particular year. The total number of students for those school years were obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Racial Census, October, 1967; Racial ... 1970; Racial ... 1973. The "% of Total Enrollment" for the 1973-74 school year was calculated by dividing the "# METCO Students" by the 1973-74 district enrollments obtained from the Massachusetts Department of Education, Division of Research, Planning and Evaluation, Enrollment by Classification, Exhibit II, 1973-74. METCO is a state funded interdistrict transfer program which transports children from Boston to suburban school districts.

PAGE 6 - PERCENT DISTRIBUTION OF SCHOOL REVENUES: 1967-68; 1970-71; 1972-73

This information was obtained from the Commonwealth of Massachusetts, Annual Report of the Department of Education for the Year Ending June 30, 1968; Annual Report ... June 30, 1971; Annual Report ... June 30, 1973. The percentages were calculated by the MPP support research staff. The percentages may not add up to 100 percent because of rounding.

PAGE 6 - ABSOLUTE DOLLAR AND PERCENT CHANGES IN REVENUES: 1967-72

These figures were calculated from the previous table. The dollar (\$) "Changes in Public School Funds Provided 1967-72" were calculated by subtracting the 1972-73 dollar amounts for "Total Funds Provided", "Local Sources", and remaining categories from the 1967-68 dollar amounts. For example, if the total public school funds provided in 1972-73 were \$100,000 and the funds provided in 1967-68 were \$50,000, the absolute dollar change in revenues would be \$50,000 (\$100,000-\$50,000). The percent changes in revenues was calculated by dividing the difference



between the 1972-73 and 1967-68 funds provided by the 1967-68 amount. For example, if the 1972-73 total funds provided were \$100,000 and the 1967-68 funds provided were \$50,000, the percent "Change in Funds Provided" would be equal to  $(\$100,000 - \$50,000) / \$50,000 = \$50,000 / \$50,000 = +100\%$ . If there were no funds provided during 1967-68 for any of the categories, the percent change in revenues is mathematically undefined. This is noted by the word Undefined.

#### PAGE 6 - PERCENT CHANGE IN PROPORTIONAL DISTRIBUTION OF REVENUES: 1967-72

These figures were calculated from the first table on page 6. The "Percent Change in Proportional Distribution of Revenues" was derived as follows:

The percent of revenues from "Local Sources", "Commonwealth Sources", and remaining categories for the 1967-68 school year was subtracted from the 1972-73 school year figures then this difference was divided by the percent "Local Sources", "Commonwealth Sources", and remaining categories for the 1967-68 school year.

For example, if the percent of revenues from local sources in 1967-68 were 50% and the percent of revenues from local sources in 1972-73 were 75%, the "Percent Change in Proportional Distribution of Revenues: 1967-72" would equal  $(75-50)/50 = 25/50 = +50\%$ . If there is a percent change from 0 to any number, the "Percent Change in Proportional Distribution" is mathematically undefined. This is noted by the word Undefined.

#### PAGE 7 - PERCENT DISTRIBUTION OF SCHOOL EXPENDITURES: 1967-68; 1970-71; 1972-73

This information was obtained from the Commonwealth of Massachusetts, Annual Report of the Department of Education for the Year Ending June 30, 1968; Annual Report ... June 30, 1971; Annual Report ... June 30, 1973. The percentages were calculated by the MPP support research staff. The percentages may not add up to 100 percent because of rounding.

#### PAGE 7 - ABSOLUTE DOLLAR AND PERCENT CHANGES IN EXPENDITURES: 1967-72

These figures were calculated from the previous table. The dollar (\$) "Changes in Public School Funds Expended 1967-72" were calculated by subtracting the 1972-73 dollar amounts for "Total Public School Funds Applied", "Administration", and remaining categories from the 1967-68 dollar amounts. For example, if the "Total Public School Funds Applied" in 1972-73 were \$100,000 and the funds applied in 1967-68 were \$50,000, the absolute dollar change in expenditures would be \$50,000  $(\$100,000 - \$50,000)$ . The percent changes in expenditures was calculated by dividing the difference between the 1972-73 and 1967-68 funds expended by the 1967-68 amount. For example, if the 1972-73 total funds expended were \$100,000 and the 1967-68 funds expended were \$50,000, the percent "Changes in Public School Funds Expended" would be equal to  $(\$100,000 - \$50,000) / \$50,000 = \$50,000 / \$50,000 = +100\%$ . If there were no funds provided during 1967-68 for any of the categories, the percent change in expenditures is mathematically undefined. This is noted by the word Undefined.

PAGE 7 - PERCENT CHANGE IN PROPORTIONAL DISTRIBUTION OF EXPENDITURES: 1967-72

These figures were calculated from the first table on page 7. The "Percent Change in Proportional Distribution of Expenditures" was derived as follows:

The percent of expenditures from "Administration", "Instruction", and remaining categories for the 1967-68 school year was subtracted from the 1972-73 school year figures. Then this difference was divided by the percent "Administration", "Instruction", and remaining categories for the 1967-68 school year.

For example, if the percent of expenditures for "Administration" in 1967-68 were 50% and the percent of expenditures for "Administration" in 1972-73 were 75%, the "Percent Change in Proportional Distribution of Expenditures: 1967-72" would equal  $(75-50)/50 = 25/50 = +50\%$ . If there is a percent change from 0 to any number, the "Percent Change in Proportional Distribution of Expenditures" is mathematically undefined. This is noted by the word Undefined.

PAGE 8 - 1970 CENSUS: COUNT OF PERSONS 25 YEARS OF AGE AND OVER BY RACE AND YEARS OF SCHOOL COMPLETED.

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 42, "Population 25 Years Old and Over by Years of School Completed and Sex". This information was based on a 20% sample survey. The "Spanish-American" category includes people who are both "White" and "Black" according to the Census definition so that the total of the "White", "Black" and "Spanish-American" columns will never equal the "Total Population" column. The "White" and "Black" figures may not equal the "Total Population" column because they do not include people of other racial backgrounds such as Asian-American and Native-American.

PAGE 8 - MEDIAN SCHOOL YEARS COMPLETED

This information was calculated from the previous table, "1970 Census: Count of Persons 25 Years of Age and Over by Years of School Completed". This calculation was performed by the Massachusetts Institute of Technology (M.I.T.) Information Processing Center.

DEMOGRAPHIC CHARACTERISTICS

PAGE 9 - CENSUS POPULATION BY RACE AND SPANISH LANGUAGE: 1960; 1970

The information on the 1960 population was obtained from the U.S. Department of Commerce, Bureau of the Census, 1960 Census of Population, Volume I, Characteristics of the Population, Part 23, Massachusetts, Tables 21, 25. This monograph

is available at libraries and governmental agencies. The "Asian-American" category includes only Chinese, Japanese, and Filipino. The percentages may not add up to 100 percent because of rounding.

The 1970 population figures were obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population, General Social and Economic Characteristics, Massachusetts, PC (1) - C23, Tables 81, 102 and 1970 Census of Population, General Population Characteristics, Massachusetts, PC (1) - B23, Tables 23, 27, 31. The "Asian-American" category includes only Chinese, Japanese and Filipino. The "Other" category includes Hawaiians, Koreans, Aleuts, Eskimos, Malaysians, and Polynesians. The "Spanish Language" data was obtained from the 1970 U.S. Census "Persons of Spanish Language" category. Persons of "Spanish Language" were not considered a distinct racial group by the U.S. Bureau of the Census and were, therefore, not distributed in the "White" or "Non-white" categories. An N.A. indicates that this information was not available for the school district. The percentages may not add up to 100 percent because of rounding.

The "1960-1970 Increase (+) Decrease (-)" figures were calculated by the MPP support research staff from the data in the first two rows of this table. The increase or decrease in the number (#) columns were derived by subtracting the 1970 population figures from the 1960 figures.

The increase or decrease in the percent (%) column were calculated by dividing the difference between the 1970 and 1960 population figures by the 1960 figures.

The "% Change in Proportional Distribution" was calculated as follows:  
The "% White", "% Non-white" and percentages for the other columns for 1970 were subtracted from the 1960 percentages. This difference was divided by the 1960 percentages and this is the figure that was recorded.

#### PAGE 9 - CENSUS POPULATION INCREASE OR DECREASE: 1960-1970

This information was obtained from the Massachusetts Department of Commerce and Development, Massachusetts Population 1970-1965-1960 and Population Movements in Massachusetts 1960-1970.

#### PAGE 9 - CENSUS: FERTILITY RATIO BY RACE

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 44, "Females 15-44 Years Old by Marital Status, Number of Children and Age". This ratio tells how many children, on the average, a woman between the ages of 15 and 44 had in 1970. For example, a fertility ratio of 1.35:1 indicates that for that city or town (and for that racial grouping) the average number of children a woman between 15 and 44 would have would be 1.35. An N.A. indicates that this information was not available for the school district.



PAGE 10 - 1970 CENSUS:  
Household Population by Race

The information on "Total Population" was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Second Count Summary Tapes for Massachusetts, Table 1, "Race and Sex". The information on "Population in Households" was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Second Count Summary Tapes for Massachusetts, Table 3, "Household Population by Age, Race and Sex". An N.A. indicates that this information was not available for the school district. The U.S. Bureau of the Census defines people who live in households as those people who occupy a group of rooms or a single room which constitutes a housing unit. All living arrangements other than households are classified as group quarters. Persons living in group quarters include, for example, those who are inmates of institutions and those living in rooming and boarding houses, communes or military barracks.

PAGE 10 - 1970 CENSUS:  
Number of Families by Sex of Family Head

The information on the number of families headed by females was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 75 "Family Income". The number of families headed by males was calculated by the MPP support research staff by subtracting the number of female headed families from the total number of families. This information was based on a 20 percent sample survey. The U.S. Bureau of the Census defines a family as a household head and one or more other persons living in the same household who are related to the head by blood, marriage, or adoption. The "White" and "Black" figures may not equal the "Total Population" because they do not include people of other racial backgrounds such as Asian-American and Native-American.

PAGE 10 - 1970 CENSUS: AGE DISTRIBUTION BY RACE

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Second Count Summary Tapes for Massachusetts, Table 2, "Single Years of Age, Race, and Sex". The percentages were calculated by the MPP support research staff. The percentages may not add up to 100 percent because of rounding. An N.A. indicates that this information was not available for the school district.

PAGE 11 - 1970 CENSUS: NATIVITY AND PARENTAGE

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 21, "Nativity and Parentage". This information was based on a 15 percent sample survey. A "Native of Native Parent"

is a person born in the United States, the Commonwealth of Puerto Rico or an outlying area of the United States whose parents were also born in the United States. "Foreign Stock" includes U.S. citizens who were foreign born as well as those people who were born in the U.S. but had one or more foreign born parents ("Foreign or Mixed Parentage"). The "Spanish-American" category includes people who are both "White" and "Black" according to the Census definition so that the total of the "White", "Black" and "Spanish-American" columns will never equal the "Total Population" column.

PAGE 11 - 1970 CENSUS: MOST FREQUENT COUNTRY  
of Origin of Foreign Stock

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 22, "Country of Origin and Nativity". This information was based on a 15 percent sample survey. This table indicates the country of origin of the foreign stock population (foreign born and native of foreign or mixed parentage) in a city or town, with the information presented separately for foreign born and native of mixed parentage. These figures were totalled by the MPP support research staff to arrive at the number of persons recorded for each of the countries listed in this table. The countries listed are those which have the largest number of former citizens presently U.S. citizens residing in this community. The percent foreign stock population was calculated by dividing the number of foreign stock citizens from a particular country by the total number of foreign stock residents in that city or town. The total number of foreign stock residents was obtained from the previous table, "1970 Census: Nativity and Parentage".

PAGE 11 - 1970 CENSUS: SPANISH POPULATION INDICATORS

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 24, "Spanish Indicators". The information on persons of "Spanish Origin or Descent" was derived from the question of whether a person's origin or descent was Mexican, Puerto Rican, Cuban, Central or South American, or other Spanish. The information on persons of "Puerto Rican Birth or Parentage" includes persons born in Puerto Rico and persons born in the United States or an outlying area with one or more parents born in Puerto Rico. Persons of "Spanish Language" comprise persons of Spanish mother tongue and all other persons in families in which the head or wife reported Spanish as his or her mother tongue. Since a person of "Spanish Origin or Descent" may appear in two or more of these Spanish population indicators, these figures were not totalled to arrive at a total number of Spanish population residents in a city or town.

PAGE 11 - 1970 CENSUS: MOST FREQUENT MOTHER TONGUES  
Other Than English

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 23, "Mother Tongue and Nativity". This information was based on a 15 percent sample survey of which language was spoken in a person's home when he or she was a child. Since English is the most frequent mother tongue, information is only displayed for mother tongues other than English. This information is presented separately for foreign born and natives and these figures were totalled by the MPP support research staff to arrive at the figures presented in this table.

ECONOMIC CHARACTERISTICS

PAGE 12 - 1970 CENSUS: NUMBER OF EMPLOYED PERSONS 16 YEARS OLD AND OVER  
BY OCCUPATION

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 58, "Employed Population 16 Years Old and Over by Occupation". This information was based on a 20 percent sample survey. Each of the occupation categories shown on this table such as "Professional, Technical, and Kindred Workers" have been broken down into subcategories and the same information in this table is available for each of these subcategories. An N.A. indicates that this information was not available for the school district. The percentages may not add up to 100 percent because of rounding. The "White" and "Black" figures may not equal the "Total Persons Employed" because they do not include people of other racial backgrounds such as Asian-American and Native-American. The "Spanish-American" category includes people who are both "White" and "Black" according to the Census definition so that the total of the "White", "Black" and "Spanish-American" columns will never equal the "Total Persons Employed" column.

PAGE 13 - MEDIAN INCOME: 1960 CENSUS; 1970 CENSUS

The information on 1960 Median Income was obtained from the U.S. Department of Commerce, Bureau of the Census, 1960 Census of Population, Volume I, Characteristics of the Population, Part 23 Massachusetts, Tables 33, 34, 76.

The information on the 1970 Median Income was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 75, "Family Income", and Table 76, "Income of Unrelated Individuals". This information was based on a 20 percent sample survey.



Information on families includes all those people living in the same household who are related to the head by blood, marriage, or adoption. Information on unrelated individuals includes all members of a household who are not related to anyone else in the household or a person living in group quarters who is not an inmate of an institution. An N.A. indicates that this information was not available for the school district.

PAGE 13 -                   1970 CENSUS: EMPLOYMENT STATUS BY RACE  
                  of Persons 16 Years of Age and Over in Labor Force

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 54, "Population 16 Years Old and Over by Labor Force Status, Selected Characteristics, and Sex". This information was based on a 20 percent sample survey. The employment or labor force status of persons over 16 is recorded by the U.S. Bureau of the Census in three categories: "In Labor Force", "In Armed Forces", and "Not in Labor Force". The information in this table covers only those people in the labor force, and this category is broken down into those who are "Employed" and those who are "Unemployed". Since the number and percent "Unemployed" is only based on those people in the labor force, it is an undercount of actual unemployment in a community. The "Total" is of those people 16 years and over in the labor force. An N.A. indicates that this information was not available for the school district. The "Spanish-American" category includes people who are both "White" and "Black" according to the Census definition so that the total of the "White", "Black", and "Spanish-American" columns will never equal the "Total" column. The percentages may not add up to 100 percent because of rounding. The "White" and "Black" figures may not equal the "Total" column because they do not include people of other racial backgrounds such as Asian-American and Native-American.

PAGE 14 -   1970 CENSUS:  
                                  Number of Persons in Families and  
                  Number of Unrelated Individuals with Income Less Than Poverty Level

The information on the number of "Persons in Families" below poverty level was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 83, "Aggregate Number of Persons in Families below Poverty Level".

The information on the "Number of Unrelated Individuals with Income Less Than Poverty Level" was obtained from the U.S. Department of Commerce, Bureau of the Census 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 89, "Unrelated Individuals by Age and Poverty Status". This information was based on a 20 percent sample survey. The number of persons in families and the number of unrelated individuals were totalled by the MPP support research staff to arrive at the total in this table.

The definition of poverty level income originated with the U.S. Social Security Administration in 1964 and was subsequently modified by a Federal Interagency Committee. This index provides a range of poverty income cutoffs adjusted by such factors as family size, family head, number of children under 18 years old, and farm and nonfarm residence, needed in order to maintain a nutritionally adequate food plan designed by the Department of Agriculture. In 1969, the poverty thresholds ranged from \$1,847 for a female unrelated individual 65 years old and over living on a farm to \$6,116 for a nonfarm family with a male head and with seven or more persons. The average poverty threshold for a nonfarm family of four headed by a male was \$3,745. An N.A. indicates that this information was not available for the school district. The percentages may not add up to 100 percent because of rounding. The "White" and "Black" figures may not equal the "Total Population" because they do not include people of other racial backgrounds such as Asian-American and Native-American. The "Spanish-American" category includes people who are both "White" and "Black" according to the Census definition so that the total of the "White", "Black", and "Spanish-American" columns will never equal the "Total Population" column.

PAGE 14 -

1970 CENSUS:

Number of Related Children Under 18 in Families  
Below Poverty Level by Presence of Parents

This information was obtained from the 1970 U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 92, "Related Children Under 18 Years Old in Families Below Poverty Level by Presence of Parents". This information was based on a 20 percent sample survey. The percentages were calculated by the MPP support research staff by dividing the number of children under 18 living in families below poverty level by the total number of children under 18 in that city or town. An N.A. indicates that this information was not available for the school district. The "White" and "Black" figures may not equal the "Total Population" because they do not include people of other racial backgrounds such as Asian-American and Native-American. The "Spanish-American" category includes people who are both "White" and "Black" according to the Census definition so that the total of the "White", "Black" and "Spanish-American" columns will never equal the "Total Population" column.

PAGE 15 - CHARACTERISTICS OF INDUSTRIAL FIRMS: 1967

This information was obtained from the Commonwealth of Massachusetts, Division of Employment Security, "Massachusetts Employment and Wages 1967 by Area (City and Town) by Industry, 3 digit," unpublished computer printouts. This information is on industrial establishments subject to the Massachusetts Employment Security Law, Chapter 151A of the General Laws, and generally excludes employment in nonprofit institutions organized for religious, charitable, educational,



or scientific purposes; in domestic service; self employment and unpaid family service; and in governments. A definition of each major industry, such as "Agriculture and Mining", presented in this table, can be found in the following publication: The Commonwealth of Massachusetts, Division of Employment Security, Massachusetts Cities and Towns, Employment and Wages in Establishments Subject to the Massachusetts Employment Security Law by Major Industry Divisions 1967-1971, March, 1973.

PAGE 16 - CHARACTERISTICS OF INDUSTRIAL FIRMS: 1972

This information was obtained from the Commonwealth of Massachusetts, Division of Employment Security, "Massachusetts Employment and Wages 1972 by Area (City and Town) by Industry, 3 digit", unpublished computer printouts. This information is on industrial establishments subject to the Massachusetts Employment Security Law, Chapter 151A of the General Laws, and generally excludes employment in nonprofit institutions organized for religious, charitable, educational, or scientific purposes; in domestic service; self employment and unpaid family service; and in governments. A definition of each major industry, such as "Agriculture and Mining", presented in this table, can be found in the following publication: The Commonwealth of Massachusetts, Division of Employment Security, Massachusetts Cities and Towns, Employment and Wages in Establishments Subject to the Massachusetts Employment Security Law by Major Industry Divisions 1967-1971, March, 1973.

LAND USE CHARACTERISTICS

PAGE 17 - LAND USE PATTERNS IN (CITY OR TOWN NAME)

The percentages measured on this pie chart were calculated from land use pattern information obtained from the Metropolitan Area Planning Council, Preliminary Single Purpose Plan Report, Land Use Numbers, Study Element Number 3.05 of the Southeastern New England Study, October 1973 (compiled for the New England River Basin Study). This report contained information on the number of acres in a city or town utilized for "Residential", "Commercial" and the other remaining categories. The MPP support research staff calculated the percentages that were used to develop the pie chart displayed in this table.

HOUSING CHARACTERISTICS

PAGE 18 - 1970 CENSUS: SELECTED HOUSING CHARACTERISTICS

This information was obtained from the U.S. Department of Commerce, Bureau of the

Census, 1970 Census of Population and Housing, 1970 Census of Housing, General Housing Characteristics, Massachusetts HC (1)-A23, Tables 1, 8, 18, 23, 24.

The median value of owner occupied units does not include those that are in multi-unit structures, trailers, rural units on farms or places of ten or more acres, or on properties any part of which is used as a business.

The U.S. Bureau of the Census defines a housing unit as a house, an apartment, a group of rooms, or a single room occupied or intended for occupancy as separate living quarters. A housing unit was considered vacant if no one was living in it at the time the Census was taken unless its occupants were only temporarily absent. Median value was the owner's estimate of how much the property (house and lot) would sell for, if it were for sale. Median contract rent is the monthly rent agreed to, or contracted for, regardless of any furnishings, utilities, or services that may be included.

PAGE 18 -           1970 CENSUS: NUMBER OF HOUSING UNITS  
                  by Occupancy Status and Race of Head of Household

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Housing Summary Tapes for Massachusetts, Table 26, "Occupancy/Vacancy Status". The total number of housing units in this table may be slightly lower than the total in the previous table because it does not include vacant migratory and seasonal units. The percentages may not add up to 100 percent because of rounding. An N.A. indicates that this information was not available for the school district. The "White" and "Black" figures may not equal the "Total" column because they do not include people of other racial backgrounds such as Asian-American and Native-American. This information was based on a 20% sample survey.

PAGE 18 - BUILDING PERMITS ISSUED FOR NEW  
                  Dwelling Units: 1960-71

This information was obtained from the Massachusetts Department of Commerce and Development, City and Town Monograph. This is a separate monograph for each city and town in the Commonwealth of Massachusetts. These monographs, which contain other information on a city or town, are free to the public upon request.

PAGE 19 - NUMBER OF SUBSIDIZED HOUSING UNITS BY TYPE OF CONSTRUCTION  
                  STATUS: 1973

This information was obtained from the Metropolitan Area Planning Council, (MAPC) Subsidized Housing in the Boston Region as of December 31, 1973, and is available to the public upon request. The MAPC is the regional planning agency for the Boston metropolitan area; it studies the demographic, socio-economic, land use, and housing characteristics of the cities and towns in the Boston metropolitan area. MHFA refers to the Massachusetts Housing Finance Agency.

PAGE 19 - 1970 CENSUS: AGE OF HOUSING UNITS

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Housing Summary Tapes for Massachusetts, Table 8, "Year Structure Built, Tenure, and Race of Head". This information was based on a 20 percent sample survey. Since this information is based on a sample survey, the total number of housing units may not equal the total number of units recorded on other "Housing Characteristic" tables. The number of "Other Occupied Housing Units" was calculated by the MPP support research staff by subtracting the "Black Occupied Housing Units" column from the "Total Housing Units" column. The "Other Occupied Housing Units" are occupied primarily by whites but may also be occupied by Asian-American, Native-American and other racial and ethnic group members. The percentages may not add up to 100 percent because of rounding. An N.A. indicates that this information was not available for the school district. The "Spanish-American" category includes people who are both "White", and "Black" according to the Census definition so that the total of the "White", "Black" and "Spanish-American" columns will never equal the "Total Housing Units" column.

PAGE 20 - 1970 CENSUS: NUMBER OF PERSONS PER ROOM IN OCCUPIED HOUSING UNITS  
By Race of Head of Household

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, First Count Summary Tapes for Massachusetts, Table 30, "Persons per Room, Tenure and Race of Head". The number of "Other Occupied Housing Units" was calculated by the MPP support research staff by subtracting the "Black Occupied Housing Units" column from the "Total Occupied Units" column. An N.A. indicates that this information was not available for the school district. The percentages may not add up to 100 percent because of rounding.

PAGE 20 - 1970 CENSUS: TYPE OF HOUSING STRUCTURE

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Housing Summary Tapes for Massachusetts, Table 9, "Units in Structure, Tenure, and Race, of Head". This information was based on a 20 percent sample survey. Since this information is based on a sample survey, the total number of housing units may not equal the total number of units recorded on other "Housing Characteristic" tables. This information is also available for Black and Spanish-American occupied units, both owner occupied and renter occupied. An N.A. indicates that this information was not available for the school district. The percentages may not add up to 100 percent because of rounding.



PAGE 20 - 1970 CENSUS:  
Average Number of  
Persons per Housing Unit

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Housing Summary Tapes for Massachusetts, Table 37, "Number of Persons in Unit, Tenure, and Race of Head". This information was based on a 20 percent sample survey. This information was calculated by the MPP support research staff by dividing the number of persons in housing units by the total number of housing units. The number of "Other Occupied Housing Units" was calculated by the MPP support research staff by subtracting the "Black Occupied Housing Units" column from the "Total Occupied Housing Units" column.

PAGE 21 - 1970 CENSUS: VALUE OF OWNER OCCUPIED HOUSING UNITS BY RACE OF  
HEAD OF HOUSEHOLD

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Housing Summary Tapes for Massachusetts, Table 52, "Value, Occupancy Status, and Race of Head". This information was based on a 20 percent sample survey. The value of an owner occupied unit was the owner's estimate of how much the property (house and lot) would sell for, if it were for sale. The number of "Other Owner Occupied Units" was calculated by the MPP support research staff by subtracting the "Black Owner Occupied Units" column from the "Total Owner Occupied Units" column. The percentages may not add up to 100 percent because of rounding. An N.A. indicates that this information was not available for the school district. The "Spanish-American" category includes people who are both "White" and "Black" according to the Census definition so that the total of the "White", "Black" and "Spanish-American" column will never equal the "Total Owner Occupied Units" column.

PAGE 22 - 1970 CENSUS: MONTHLY GROSS RENT BY RACE OF HEAD OF HOUSEHOLD

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Housing Summary Tapes for Massachusetts, Table 19, "Gross Rent and Race of Head". This information was based on a 20 percent sample survey. "Monthly Gross Rent" is the monthly rent agreed to, or contracted for, regardless of any furnishings, utilities, or services that may be included plus the estimated average monthly cost of utilities and fuels, if these items are paid for by the renter in addition to rent. The number of "Other Renter Occupied Units" was calculated by the MPP support research staff by subtracting the "Black Renter Occupied Units" column from the "Total Renter Occupied Units" column. An N.A. indicates that this information was not available for the school district. The percentages may not add up to 100 percent because of rounding. The "Spanish-American" category includes people who are both "White" and "Black" according to the Census definition so that the total of the "White", "Black" and "Spanish-American" columns will never equal the "Total Renter Occupied Units" column.

## NOTES AND SOURCES FOR THE INDIVIDUAL SCHOOL PROFILES

### PAGE 1 - SCHOOL DISTRICT #, SCHOOL #

The school district and school number (#) which appear on the upper right hand box are code numbers which are used by the Massachusetts State Department of Education. These code numbers were obtained from the Massachusetts State Department of Education, Bureau of Educational Information Services, Massachusetts School Directory 1973-74.

### PAGE 1 - 1973-74 SCHOOL DISTRICT; SCHOOL NAME; NO. & STREET; City, State, Zip; Grade Organization

This information was obtained from the Massachusetts State Department of Education, Bureau of Educational Information Services, Massachusetts School Directory 1973-74.

### PAGE 1 - FACILITIES

The information on a school's date of initial construction, date(s) of additions or changes, number of rooms for instructional use, and total number of rooms were obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, School Building Inventory, Fall, 1973. There were fifty-eight types of school rooms listed on this form. Forty-two of these rooms were placed by the MPP support research staff in the "Instructional Use" category. These rooms are:

1. Art (General)
2. Arts and Crafts
3. Auditorium
4. Automotive
5. Bandroom
6. Biology Laboratory
7. Bookkeeping
8. Chemistry Laboratory
9. Child Care Center
10. Chorus Room
11. Classroom Regular, (Regular, Interchangeable)
12. Classroom (Seminar Room)
13. Corrective Room (Athletics)
14. Earth Science Laboratory
15. Field House
16. General Science Laboratory
17. Graphic Arts
18. Gymnasium
19. Home Economics (Food)



20. Home Economics (General)
21. Home Economics (Multi-purpose Living Center)
22. Ice Skating Rink
23. Instructional Media Center
24. Language Arts Laboratory
25. Library
26. Mathematics Laboratory
27. Mechanical Drawing
28. Metal Shop
29. Music Room (General)
30. Office Machines
31. Office Practice
32. Physics Laboratory
33. Power Mechanics Shop
34. Sewing Room
35. Shop (General)
36. Social Studies Laboratory
37. Special Education Remedial Rooms
38. Stenography Room
39. Swimming Pool
40. Television Room
41. Typing Room
42. Wood Shop

The remaining sixteen were placed in the "Other Uses" category.  
They are:

1. Administrative Office
2. Audio-Visual Workroom
3. Cafeteria
4. Data Processing
5. Guidance Office
6. Health Suite
7. Kitchen
8. Lavatories (Boys')
9. Lavatories (Girls')
10. Shower and Locker Rooms
11. Storage (Books)
12. Storage (Custodial Supplies)
13. Storage (General Instructional Supplies)
14. Student Activity Room
15. Teachers' Lounge
16. Teachers' Workroom

An N.A. indicates that this information was not available for the school.

The information on "Title I" programs in a school ("Type of Program", "# of Students") was obtained from the Massachusetts State Department of Education, Division of Curriculum and Instruction, Bureau of Curriculum Services, Title I ESEA, "Unpublished Title I Program Documents, 1973-74." The "% School Enrollment" was calculated by the MPP support research staff by dividing the number of students in Title I programs by the total number of students in the school during the 1973-74 school year. The total number of students was obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Enrollment by Classification, Exhibit II, 1973-74. This is the same total that appears in the "Student Ethnic Census: 1973-74" table on page 2. The Title I program is funded by the U.S. Office of Education and was legislated by the U.S. Congress as part of the 1965 Elementary and Secondary Education Act (ESEA). The Title I program provides assistance for "educationally deprived and neglected and delinquent children".

The information on students in the "Lunch Program" ("# Students, Free"; "# Students, Reduced Price") was obtained from the Massachusetts State Department of Education, Bureau of Nutrition Education and School Food Services Education, "Average Number of Lunches Served to Needy". The figures in this table were calculated by taking the number of needy students served lunches in a school during the month of January, 1974 and dividing this number by the number of days schools were opened that month. The "% School Enrollment" was calculated by the MPP support research staff, 1973-74, by dividing the number of "Lunch Program" students by the 1973-74 school enrollment obtained from the Massachusetts State Department of Education, Division of Research, Planning and Evaluation, Enrollment by Classification, Exhibit II, 1973-74.

The information on students eligible for the "Bilingual Program" was obtained from the Massachusetts State Department of Education, Bureau of Transitional Bilingual Education, Census of Children of Limited English Speaking Ability on October 1, 1973, under Chapter 71A, Act of 1971. This Census of all public school students is conducted each year in order to determine how many students are of limited English speaking ability as defined in Chapter 71A and, thus, eligible for transitional bilingual classes. The "% School Enrollment" was calculated by the MPP support research staff by dividing the number of eligible bilingual students by the 1973-74 school enrollment obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Enrollment by Classification, Exhibit II, 1973-74.

The information on the number of METCO (Metropolitan Council for Educational Opportunities, Inc.) students was obtained from the METCO files, "Unpublished Student Enrollment Records", August, 1974. METCO is a state funded interdistrict transfer program which transports children from Boston to suburban school districts. The "% School Enrollment" was calculated by the MPP support research staff by dividing the number of METCO students by the 1973-74 school enrollment obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Enrollment by Classification, Exhibit II, 1973-74.

This information was obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, 1973-74 Professional Staff Survey. The figures in this table are not always an accurate total of the number of professional staff employed in a school because some staff members may not have filled in a survey. In addition, some staff members may have completed one section of the survey but not another section. As a result, the totals under the "Age", "Years in Present System", and "Position" columns may not be the same. The total number (#) of professional staff recorded in the "Census" column is the largest number of staff found in either the "Age", "Years in Present System", or "Position" categories. The "Total" number of professional staff members may be greater than the total number of "White", "Black", "Spanish Surname", "Asian-American", "Native-American", and "Other" professional staff members because some people who answered this survey did not indicate their racial or ethnic background. An N.A. indicates that this information was not available for the school.

The survey form had 24 different position codes. These positions were reclassified, by the MPP support research staff, under one of these four headings: "Administrators", "Teachers", "Teacher Aides", and "Other Professionals".

"Administrators" include the following positions:

1. Administrative Assistant
2. Assistant Director or Manager
3. Assistant or Vice-Principal
4. Assistant Superintendent
5. Assistant Supervisor
6. Director or Manager (Pupils or Programs)
7. Principal
8. Research
9. Superintendent

"Teachers" include:

1. Itinerant Teacher
2. Special Class Teacher (Handicapped)
3. Specialist (Reading, Speech, etc.)
4. Teacher

"Teacher Aides" include:

1. Teacher Aide

"Other Professionals" include:

1. Attendance Supervisor
2. Chairman or Department Head
3. Counselor
4. Librarian
5. Nurse
6. Other Professional or Technical Personnel
7. Psychologist
8. Psychometrist
9. Social Worker (Adjustment Counselor)
10. Supervisor or Consultant (Staff Improvement)



PAGE 2 - STUDENT ETHNIC CENSUS: 1973-74

This information was obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Enrollment by Classification, Exhibit II, 1973-74. The figures in the "White" column include "White" students and students of racial backgrounds other than "Black", "Native-American", "Asian-American", and "Spanish Surname". "Spanish Surname" students were placed in the "Non-white" category.

PAGE 2 - RACIAL CENSUS: 1967-68; 1970-71; 1972-73

The information on the "Total", "White", and "Non-white" enrollments for these three school years were obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Racial Census, October, 1967; Racial Census, October, 1970; and Racial Census, October, 1972. The Racial Census does not indicate which students were considered "White" and which were considered "Non-white".

PAGE 2 - RACIAL CENSUS: ENROLLMENT CHANGE 1967-1972

These figures were calculated from the previous table by the MPP support research staff. The figures under the number sign (#) column were calculated by subtracting from the "Total", "White" or "Non-white" enrollment for the 1972-73 school year, the "Total", "White" or "Non-white" enrollment for the 1967-68 school year. For example, if the 1972-73 total enrollment was 100 students and the 1967-68 enrollment was 50 students, the enrollment change would be +50(100-50) and this figure would appear in the appropriate box. The figures under the percent(%) column were derived by dividing the difference between the 1972-73 and 1967-68 enrollment by the 1967-68 enrollment. If the difference, for example, between the 1972-73 and 1967-68 enrollments were +50 and the 1967-68 enrollment were 50, the percent change would be +100(50/50). The figures under the "% Change in Proportional Distribution" column were calculated as follows:

The "% White" (or "% Non-white") for 1972-73 was subtracted from the "% White" (or "% Non-white") for 1967-68.

This difference was divided by the "% White" (or "% Non-white") for 1967-68 and this is the figure that was recorded. For example, if the "% White" in 1967-68 was 75% and the "% White" in 1972-73 was 50%, the "% Change in Proportional Distribution" would be calculated as follows:  
$$(50-75)/75 = (-25)/75 = -0.33.$$

Since the percent "Total Enrollment" is always 100%, no "% Change in Proportional Distribution" was calculated or recorded for "Total Enrollment". If there is a percent change from 0 to any number, the "% Change in Proportional Distribution" is mathematically undefined. This is noted by the word "Undefined".

PAGE 2 - FOLLOW-UP OF HIGH SCHOOL GRADUATES: 1968-1972

The information on the post high school placement of 1968 graduates was obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Distribution of Graduating Class, 1969. The number of students in each of the various placement categories may not equal the total number of high school graduates because information on all placements was not available. If there was no information available on high school graduates in a particular school, this is noted by an N.A. in the first column (under the # sign). The information on the 1972 graduates was obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Distribution of High School Graduates, Class of 1972, Fall 1973. The percentages in the 1972 column may not add up to 100% because of rounding. This table is only displayed for high schools; the profiles for elementary and junior high schools do not have this table.

PAGE 2 - ELIGIBLE TRANSITIONAL BILINGUAL STUDENTS: 1973-74

The number of students eligible for a transitional bilingual program was obtained from the Massachusetts State Department of Education, Bureau of Transitional Bilingual Education, Census of Children of Limited English Speaking Ability on October 1, 1973, under Chapter 71A, Act of 1971. This Census of all public school students is conducted each year in order to determine how many students are of limited English speaking ability as defined in Chapter 71A and, thus, eligible for transitional bilingual classes. The "Percent of Bilingual Enrollment" was calculated by the MPP support research staff by dividing the number of students in each language category, such as "Chinese" or "French" by the "Total" number of eligible bilingual students.

Leslie Steven May





## EDUCATIONAL CHARACTERISTICS

NUMBER OF SCHOOLS AND ENROLLMENT By Type of School: 1973-74				
Type of School	Number of Schools	Enrollment		
		Total	White	Non-white
Elementary	2	604	604	0
Junior High	0			
High School	0			
Special & Ungraded	0			
Regional	1	N.A.	N.A.	N.A.
Vocational	0			
Total	3	N.A.	N.A.	N.A.

SCHOOL ATTENDING CHILDREN IN PUBLIC and Non-public Schools				
Year	Total	Public		Non-public
		#	%	# %
1967-68	1,011	996	98.5	15 1.5
1970-71	1,175	1,163	99.0	12 1.0
1972-73	1,165	1,145	98.3	20 1.7

EDUCATIONAL COLLABORATIVE PARTICIPATION 1973-74	
Metropolitan Planning Project-Approving District	Masonmet Regional High School

1970 CENSUS: SCHOOL ENROLLMENT FOR Level and Type of School by Race (Population 3 - 34 years)									
Level and Type of School	Total		White		Black		Spanish-American		
	#	%	#	%	#	%	#	%	
Nursery School	0		0		N.A.		0		
Public	0		0		N.A.		0		
Parochial	0		0		N.A.		0		
Private	0		0		N.A.		0		
Kindergarten	62	5.3	62	5.3	N.A.		0		
Public	0		0		N.A.		0		
Parochial	12	1.0	12	1.0	N.A.		0		
Private									
Elementary (1-8)	679	58.0	679	58.0	N.A.		7	31.8	
Public	0		0		N.A.		0		
Parochial	0		0		N.A.		0		
Private									
High School (1-4)	331	28.3	331	28.3	N.A.		15	68.2	
Public	8	0.7	8	0.7	N.A.		0		
Parochial	0		0		N.A.		0		
Private									
College	38	3.2	38	3.2	N.A.		0		
Public	41	3.5	41	3.5	N.A.		0		
Private									

FEDERALLY-FUNDED PROGRAMS: 1973-74		
Program	# of Students	% Total Enrollment
Title I	0	
Title III	0	



EDUCATIONAL CHARACTERISTICS

RACIAL CENSUS: 1967-68; 1970-71; 1972-73					
Years	Total Enrollment	White		Non-white	
		#	%	#	%
1967-1968	547	544	99.5	3	0.5
1970-1971	673	672	99.9	1	0.1
1972-1973	641	639	99.7	2	0.3

RACIAL CENSUS: ENROLLMENT CHANGE 1967-1972				
	#	%	% Change in Proportional Distribution	
TOTAL	+94	+17.2		
White	+95	+17.5	+0.2	
Non-white	-1	-33.3	-40.0	

STUDENT ETHNIC CENSUS: 1973-74					
	Black	Non-white			Spanish Surname
		Native-American	Asian-American		
Number	0	0	0	0	0
Percent					

FOLLOW UP OF HIGH SCHOOL GRADUATES: 1968; 1972				
Post High School Placement	Class of 1968			
	#	%	#	%
4-yr. State College				
4-yr. Other College				
2-yr. State College				
2-yr. Other College				
Nurses Training				
Other Post Secondary				
Military				
Work				
Other				
TOTAL				

ELIGIBLE TRANSITIONAL BILINGUAL STUDENTS: 1973-74		
Language	Number of Students	Percent of Bilingual Enrollment
TOTAL	0	
Chinese		
French		
Greek		
Italian		
Portuguese		
Spanish		
Other		





METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE # 184 MIDDLETON  
EDUCATIONAL CHARACTERISTICS

PUBLIC SCHOOL STUDENT ENROLLMENTS: 1964 - 1982			
Past Enrollments: 1964 - 1972			
Projected Enrollments: 1973 - 1982			
School Year Beginning in Fall of	Total K-6	White K-6	Non-white K-6
	(R <sup>2</sup> = .750)	(R <sup>2</sup> = .743)	(R <sup>2</sup> = .252)
1964	492.000	492.000	C.C
1965	551.000	551.000	0.0
1966	532.000	532.000	0.0
1967	547.000	544.000	1.00000
1968	548.000	547.000	1.00000
1969	671.000	670.000	1.00000
1970	673.000	672.000	1.00000
1971	655.000	654.000	1.00000
1972	641.000	639.000	2.00000
1973	659.500	657.583	1.01666
1974	721.399	719.299	1.10000
1975	743.300	741.016	2.28333
1976	765.199	762.733	2.46666
1977	737.100	734.449	2.65000
1978	809.000	806.166	2.83333
1979	930.900	827.883	3.01666
1980	852.800	849.599	3.20000
1981	874.700	871.316	3.38333
1982	896.600	893.033	3.56666



METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE # 184 MIDDLETON

EDUCATIONAL CHARACTERISTICS

NUMBER OF TEACHERS BY RACE: 1972-73												
Total	White		Non-White		Non-white							
	#	%	#	%	Black		Asian-American		Native-American		Spanish Surname	
					#	%	#	%	#	%	#	%
28	28	100.0	0		0		0		0		0	

NUMBER OF TEACHERS, TEACHER AIDES AND OTHER PROFESSIONAL STAFF: 1973-74													
Staff Status	Total	White		Non-white		Non-white							
		#	%	#	%	Black		Asian-American		Native-American		Spanish Surname	
						#	%	#	%	#	%	#	%
Teachers	36	36	100.0	0									
Teacher Aides	0	0		0									
Other Professional Staff	2	2	100.0	0									
Total	38	38	100.0	0									



METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE # 184 MIDDLETON

EDUCATIONAL CHARACTERISTICS

SELECTED FINANCIAL CHARACTERISTICS								
Year	% Municipal Tax Spent on Education	Comprehensive Per Pupil Expenditure (in \$)				Public School Attending Children Transported at Public Expense		Computative Equalized Property Valuation per School Attending Child (in \$)
		Total	Elementary School	Junior High School	High School	#	%	
1967-68	59.6	589	589	0	0	405	40.7	16,320
1970-71	47.4	1,064	650	0	1,654	0		17,021
1972-73	68.7	936	854	0	1,199	507	44.3	19,742

1973 TAX RATE	
Official	Equalized
67.80	57.63

1973 SCHOOL TAX RATE	
Official	Equalized
46.38	39.42

1973 MOODY'S BOND RATING
N.A.

PUBLIC SCHOOL STUDENTS Receiving Subsidized Lunches: 1973-74		
TOTAL	# of Lunch Program Students	% of Total Enrollment
	65	10.8
Free	65	10.8
Reduced Price	0	

STUDENTS ENROLLED IN METCO		
Year	# METCO Students	% of Total Enrollment
1967-68	0	
1970-71	0	
1972-73	0	
1973-74	0	





EDUCATIONAL CHARACTERISTICS

PERCENT DISTRIBUTION OF SCHOOL REVENUES: 1967-68; 1970-71; 1972-73									
Year	Total Public School Funds Provided *	Local Sources		Commonwealth Sources		Federal Sources		Other School Districts	
		\$	%	\$	%	\$	%	\$	%
1967-68	836,983	643,867	76.9	191,515	22.9	8,404	1.0	935	0.1
1970-71	1,111,570	758,764	68.3	331,652	29.8	31,930	2.9	0	
1972-73	1,339,467	758,741	56.6	545,923	40.8	30,272	2.3	1,552	0.1
Notes: *The amount of Total Public School Funds Provided is not necessarily equal to the total of the Local, Commonwealth, Federal, and Other School District revenues because the total incorporates an adjustment figure reported in the annual budget for the beginning and ending balance.									

ABSOLUTE DOLLAR AND PERCENT CHANGES IN REVENUES: 1967-72										
Changes in Public School Funds Provided 1967-72	Total		Local Sources		Commonwealth Sources		Federal Sources		Other School Districts	
	\$	%	\$	%	\$	%	\$	%	\$	%
	502,484	60.0	114,874	17.8	354,408	185.1	21,868	260.2	617	66.0

PERCENT CHANGE IN PROPORTIONAL DISTRIBUTION OF REVENUES: 1967-72				
% Change in Proportional Distribution of Revenue 1967-72	Local Sources		Commonwealth Sources	Other School Districts
	-26.4		78.2	130.0
				0.0



METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE # 184 MIDDLETON

EDUCATIONAL CHARACTERISTICS

PERCENT DISTRIBUTION OF SCHOOL EXPENDITURES: 1967-68; 1970-71; 1972-73															
Year	Total Public School Funds Applied	Expenditures by School Committee						Expenditures for Services provided by Other Municipal Agencies		Expenditures for Regional School Assessments		Expenditures of Federal Funds		Expenditures of Revolving Funds	
		Administration		Instruction		Other*		\$	%	\$	%	\$	%	\$	%
		\$	%	\$	%	\$	%								
1967-68	836,983	19,326	2.3	217,180	25.9	81,338	9.7	76,237	9.1	411,207	49.1	1,077	0.1	30,618	3.7
1970-71	1,111,570	24,767	2.2	318,453	28.6	93,732	8.4	50,523	4.5	568,737	51.2	17,580	1.6	37,778	3.4
1972-73	1,339,467	31,205	2.3	401,474	30.0	122,155	9.1	47,881	3.6	688,189	51.4	10,365	0.8	38,198	2.9

ABSOLUTE DOLLAR AND PERCENT CHANGES IN EXPENDITURES: 1967-72																
Changes in Public School Funds Expended 1967-72	Total Public School Funds Applied \$		Expenditures by School Committee						Expenditures for Services provided by Other Municipal Agencies		Expenditures for Regional School Assessments		Expenditures of Federal Funds		Expenditures of Revolving Funds	
			Administration		Instruction		Other*									
			\$	%	\$	%	\$	%								
		502,484	11,879	61.5	184,294	84.9	40,817	50.2	-28,356	-37.2	276,982	67.4	9,288	862.4	7,580	24.8

PERCENT CHANGE IN PROPORTIONAL DISTRIBUTION OF EXPENDITURES: 1967-72							
Percent Change in Proportional Distribution of Expenditures 1967-72	Expenditures by School Committee			Expenditures for Services provided by Other Municipal Agencies	Expenditures for Regional School Assessments	Expenditures of Federal Funds	Expenditures of Revolving Funds
	Administration	Instruction	Other*				
	0.0	15.8	- 6.2	- 60.4	4.7	700.0	21.6

Note: \*Other includes the following categories: attendance, health service, pupil transportation, food services, athletics, other student-body activities, operation and maintenance of plant, fixed charges, community services, acquisitions of fixed assets, debt retirement and debt services, and programs with other districts.





METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE # 184 MIDDLETON

EDUCATIONAL CHARACTERISTICS

1970 CENSUS: COUNT OF PERSONS 25 YEARS OF AGE AND OVER BY RACE AND YEARS OF SCHOOL COMPLETED									
Level and Years of School Completed	Total Population		White		Black		Spanish-American		
	#	%	#	%	#	%	#	%	
No School	42	1.8	42	1.8			0		
Year Completed	53	2.3	53	2.3			0		
Elementary:									
1-4 years	82	3.5	82	3.5			0		
5-6 years	56	2.4	56	2.4			0		
7 years	308	13.1	308	13.1			0		
8 years	545	23.2	545	23.2			0		
High School:									
1-3 years	835	35.6	835	35.6			7	53.8	
4 years	220	9.4	220	9.4			6	46.2	
College:									
1-3 years	130	5.5	130	5.5			0		
4 years	75	3.2	75	3.2			0		
5 years or more	2,346	100.0	2,346	100.0	N.A.		13	100.0	
Total									

MEDIAN SCHOOL YEARS COMPLETED				
Total Population	White	Black	Spanish-American	
11.2	11.2	N.A.	12.9	



## DEMOGRAPHIC CHARACTERISTICS

CENSUS POPULATION INCREASE OR DECREASE: 1960-1970	
1960-70	
Increase (+) or Decrease (-)	+326
% Change 1960-70	
Increase (+) or Decrease (-)	+8.8
Balance of Births to Deaths	
Excess of Births (+)	
Excess of Deaths (-)	+332
Net Migration	
Excess of People Moving In (+)	
Excess of People Moving Out (-)	-6

1970 CENSUS: FERTILITY RATIO BY RACE	
Total Population	1.63:1
White	1.63:1
Black	N.A.
Spanish-American	1.63:1



DEMOGRAPHIC CHARACTERISTICS

1970 CENSUS: Household Population by Race		
Race	Total Population #	Population in Households # %
White	4,023	3,763 99.4
Black	7	7 0.2
Other	14	14 0.4
Total	4,044	3,784 100.0

1970 CENSUS: Number of Families by Sex of Family Head				
Family Head	Total Population	White	Black	Spanish-American
Male	852	852		6
Female	64	64		0
Total	916	916	N.A.	6

1970 CENSUS: AGE DISTRIBUTION BY RACE									
Age	Total	White		Non-white		Non-white			
		#	%	#	%	Black #	Black %	Other #	Other %
Under 5	339	337	8.4	2	9.5	0		2	14.3
5 - 9	450	445	11.1	5	23.8	1	14.3	4	28.6
10 - 14	406	403	10.0	3	14.3	2	28.6	1	7.1
15 - 19	318	318	7.9	0		0		0	
20 - 24	182	181	4.5	1	4.8	1	14.3	0	
25 - 44	977	968	24.1	9	42.9	2	28.6	7	50.0
45 - 64	923	922	22.9	1	4.8	1	14.3	0	
65 and Over	449	449	11.2	0		0		0	
Total	4,044	4,023	100.0	21	100.0	7	100.0	14	100.0





METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE # 184 MIDDLETON

DEMOGRAPHIC CHARACTERISTICS

1970 CENSUS: NATIVITY AND PARENTAGE					
Nativity	Total Population		White	Black	Spanish-American
	#	%	#	#	#
Native of Native Parent	2,886	71.4	2,886		37
Foreign Stock	1,158	28.6	1,158		13
Total	4,044	100.0	4,044	N.A.	50

1970 CENSUS: MOST FREQUENT COUNTRY of Origin of Foreign Stock			
Country of Origin	# of Persons	% Foreign Stock Population	
Canada	532	45.9	
United Kingdom	131	11.3	
Italy	110	9.4	
U.S.S.R.	100	8.6	

1970 CENSUS: SPANISH POPULATION INDICATORS			
Indicators	# of Persons	% of Total Population	
Spanish Origin or Descent	0		
Puerto Rican Birth or Parentage	0		
Spanish Language	50	1.2	

1970 CENSUS: MOST FREQUENT MOTHER TONGUES Other Than English			
Mother Tongue	# of Persons	% of Total Population	
French	221	5.5	
Italian	84	2.1	
Polish	65	1.6	
Russian	55	1.4	



METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE #184 MIDDLETON

ECONOMIC CHARACTERISTICS

1970 CENSUS: NUMBER OF EMPLOYED PERSONS 16 YEARS OLD AND OVER BY OCCUPATION									
Occupation	Total Persons Employed		White		Black		Spanish-American		
	#	%	#	%	#	%	#	%	
Professional, Technical and Kindred Workers	274	17.6	274	17.6			6	27.3	
Managers and Administrators, except Farm	119	7.6	119	7.6			0		
Sales Workers	77	4.9	77	4.9			0		
Clerical and Kindred Workers	288	18.5	288	18.5			8	36.4	
Craftsmen, Foremen and Kindred Workers	218	14.0	218	14.0			0		
Operatives, except Transport	258	16.6	258	16.6			0		
Transport Equipment Operatives	36	2.3	36	2.3			0		
Laborers, except Farm	64	4.1	64	4.1			0		
Farmers and Farm Managers	0		0				0		
Farm Laborers and Foremen	33	2.1	33	2.1			0		
Service Workers, except Private Household	183	11.8	183	11.8			8		
Private Household Workers	7	0.4	7	0.4			0		
Total	1,557	100.0	1,557	100.0	N.A.		22	100.0	





METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE # 184 MIDDLETON

ECONOMIC CHARACTERISTICS

MEDIAN INCOME: 1960 CENSUS; 1970 CENSUS									
Year	Families			Unrelated Individuals					
	All	White	Black	Spanish-American	All	White	Black	Spanish-American	
1960	N.A.				N.A.				
1970	\$11,036	\$11,036	N.A.	\$20,000	\$3,472	\$3,472	N.A.	N.A.	N.A.

1970 CENSUS: EMPLOYMENT STATUS BY RACE of Persons 16 Years of Age and Over in Labor Force									
Employment Status	Total Population		White		Black		Spanish-American		
	#	%	#	%	#	%	#	%	%
Employed	1,557	96.8	1,557	96.8			22	100.0	
Unemployed	52	3.2	52	3.2			0		
Total	1,609	100.0	1,609	100.0	N.A.		22	100.0	



METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE # 184 MIDDLETON

ECONOMIC CHARACTERISTICS

1970 CENSUS: Number of Persons in Families and Number of Unrelated Individuals with Income Less Than Poverty Level								
Family Status	Total Population		White		Black		Spanish-American	
	#	%	#	%	#	%	#	%
Persons in Families	238	77.0	238	77.0			0	
Unrelated Individuals	71	23.0	71	23.0			0	
Total	309	100.0	309	100.0	N.A.		0	

1970 CENSUS: Number of Related Children Under 18 in Families Below Poverty Level by Presence of Parents								
Parental Presence	Total Population		White		Black		Spanish-American	
	#	%	#	%	#	%	#	%
Living with Both Parents	93	6.4	93	6.4			0	
Other	30	2.1	30	2.1			0	
Total	123	8.4	123	8.4	N.A.		0	



## ECONOMIC CHARACTERISTICS

CHARACTERISTICS OF INDUSTRIAL FIRMS: 1967				
Industry	Number of Firms	Annual Payroll in \$	Average Number of Employees	Average Annual Wage in \$
Agriculture and Mining	2	92,095	41	2,246
Construction	10	438,799	53	8,279
Manufacturing	7	3,430,717	499	6,875
Transportation, Communication, and Utilities	4	80,720	33	2,446
Wholesale and Retail Trade	29	485,635	156	3,113
Finance, Insurance, Real Estate	4	85,864	8	10,733
Service Industries	14	160,453	56	2,865
Total	70	4,774,283	845	5,650





METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE # 184 MIDDLETON

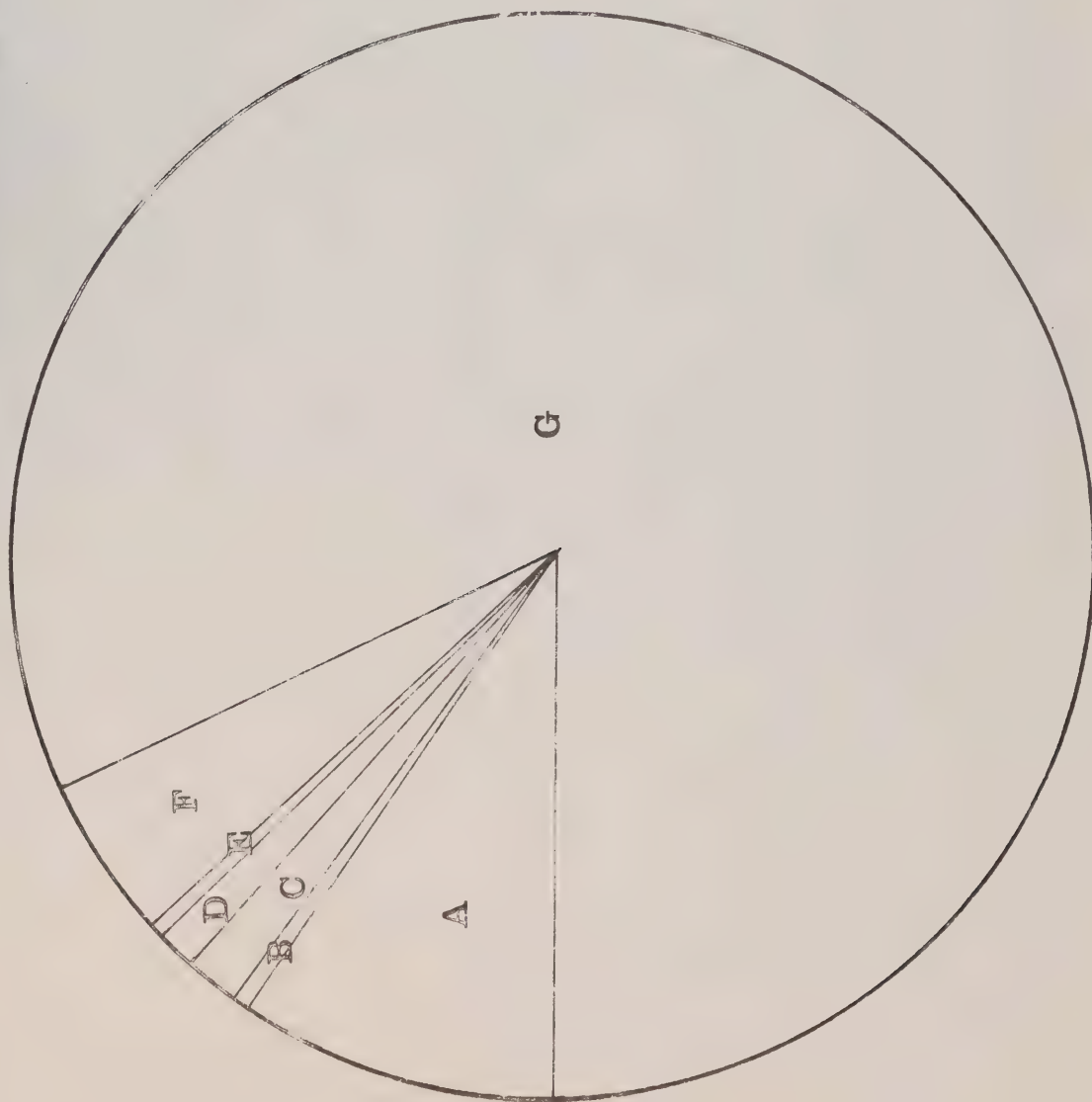
ECONOMIC CHARACTERISTICS

CHARACTERISTICS OF INDUSTRIAL FIRMS: 1972					
Industry	Number of Firms	Annual Payroll in \$	Average Number of Employees	Average Annual Wage in \$	
Agriculture and Mining	2	77,435	33	2,347	
Construction	10	1,225,704	98	12,507	
Manufacturing	10	5,122,143	527	9,719	
Transportation, Communication, and Utilities	3	159,262	38	4,191	
Wholesale and Retail Trade	30	609,157	142	4,290	
Finance, Insurance, Real Estate	3	85,967	10	8,597	
Service Industries	23	738,856	159	4,647	
Total	81	8,018,524	1,006	7,971	



1971 LAND USE PATTERN IN

# MIDDLETON



## LAND USE

- A RESIDENTIAL 9.6
- B COMMERCIAL 0.5
- C RECREATIONAL 1.7
- D PUBLIC INSTITUTIONS 1.2
- E INDUSTRIAL 0.4
- F VACANT LAND 4.9
- G OTHER: 81.7

Transportation  
 Disposal Sites, Extractive  
 Agricultural and Forest  
 Water and Wetlands





HOUSING CHARACTERISTICS

1970 CENSUS: SELECTED HOUSING CHARACTERISTICS												
Total Housing Units					Occupied Housing Units					Median Value		
Total		Vacant		Occupied		Total		Owner Occupied		Renter Occupied		Median Contract Rent
#	%	#	%	#	%	#	%	#	%	#	%	\$
1,254	100.0	130	10.4	1,124	89.6	1,124	100.0	908	80.8	216	19.2	18,900
												\$
												80

1970 CENSUS: NUMBER OF HOUSING UNITS by Occupancy Status and Race of Head of Household						
Occupancy Status	Total		White Head of Household		Black Head of Household	
	#	%	#	%	#	%
Owner Occupied	908	72.5	904	80.8	2	100.0
Renter Occupied	216	17.2	215	19.2	0	0
Vacant Year Round	129	10.3	Not Applicable			
Total	1,253	100.0	1,119	100.0	2	100.0

BUILDING PERMITS ISSUED FOR NEW Dwelling Units: 1960-1971	
Year Issued	Number
1960-1964	123
1965-1970	139
1971	8
Total	270



METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE # 184 MIDDLETON

HOUSING CHARACTERISTICS

NUMBER OF SUBSIDIZED HOUSING UNITS BY TYPE OF UNIT BY CONSTRUCTION STATUS: 1973										
Status	Total Subsidized Units	Low Income Units			Moderate Income Units			MHFA Low-Moderate Income Units		
		Elderly	Family	Leased	Elderly	Family Homeownership	Rental Assistance	Low	Moderate	
Completed	54	54	0	0	0	0	0	0	0	
Under Construction	0									
In Planning	0									

1970 CENSUS: AGE OF HOUSING UNITS										
Year Built	Total Housing Units		Black Occupied Housing Units		Other Occupied Housing Units		Spanish-American Occupied Housing Units			
	#	%	#	%	#	%	#	%	#	%
1965-March 1970	166	13.2								
1960-1964	132	10.5								
1950-1959	190	15.2								
1940-1949	163	13.0								
1939 or earlier	603	48.1								
Total	1,254	100.0	N.A.		N.A.		N.A.		N.A.	



METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE # 184 MIDDLETON

HOUSING CHARACTERISTICS

1970 CENSUS: NUMBER OF PERSONS PER ROOM IN OCCUPIED HOUSING UNITS					
Persons per Room	by Race of Head of Household				
	Total Occupied Units		Black Occupied Units		Other Occupied Units
	#	%	#	%	#
1.00 or less	1,050	93.4			
1.01 to 1.50	63	5.6			
1.51 or more	11	1.0			
Total	1,124	100.0	N.A.		N.A.

1970 CENSUS: TYPE OF HOUSING STRUCTURE			
Type	# of Structures	% of Housing Units	
1 Unit	1,093	87.2	
2 Units	50	4.0	
3-4 Units	25	2.0	
5-9 Units	66	5.3	
10 or more Units	9	0.7	
Mobile Home or Trailer	11	0.9	
Total	1,254	100.0	

1970 CENSUS: Average Number of Persons per Housing Unit	
Total Occupied Housing Units	3.0
Black Occupied Housing Units	N.A.
Other Occupied Housing Units	N.A.
Spanish-American Occupied Housing Units	N.A.





HOUSING CHARACTERISTICS

1970 CENSUS: VALUE OF OWNER OCCUPIED HOUSING UNITS BY RACE OF HEAD OF HOUSEHOLD									
	Total Owner Occupied Units		Black Owner Occupied Units		Other Owner Occupied Units		Spanish-American Owner Occupied Units		
	#	%	#	%	#	%	#	%	
Less than \$5,000	13	1.6							
\$5,000 - \$7,499	35	4.2							
\$7,500 - \$9,999	38	4.6							
\$10,000 - \$12,499	77	9.2							
\$12,500 - \$14,999	83	10.0							
\$15,000 - \$17,499	100	12.0							
\$17,500 - \$19,999	138	16.5							
\$20,000 - \$24,999	136	16.3							
\$25,000 - \$34,999	166	19.9							
\$35,000 - \$49,999	43	5.2							
\$50,000 and over	5	0.6							
Total	834	100.0	N.A.		N.A.		N.A.		



METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE # 184 MIDDLETON

HOUSING CHARACTERISTICS

1970 CENSUS: MONTHLY GROSS RENT BY RACE OF HEAD OF HOUSEHOLD									
Monthly Gross Rent	Total Renter Occupied Units		Black Renter Occupied Units		Other Renter Occupied Units		Spanish-American Renter Occupied Units		
	#	%	#	%	#	%	#	%	
Less than \$30	0								
\$30 - \$49	0								
\$50 - \$69	48	23.9							
\$70 - \$89	25	12.4							
\$90 - \$119	35	17.4							
\$120 - \$149	40	19.9							
\$150 - \$199	36	17.9							
\$200 - \$249	0								
\$250 - \$299	0								
\$300 or more	3	1.5							
No Cash Rent	14	7.0							
Total	201	100.0	N.A.		N.A.		N.A.		





School District # 184  
School # 003

1973-74	
School District:	Middleton
School Name:	Fuller Meadow
No. & Street:	So. Main St.
City, State, Zip:	Middleton, Mass. 01949
Grade Organization:	K-2
Facilities:	
Initial Construction Date:	1964
Dates of Additions or Changes:	
# Rooms, Instructional Use:	15
# Rooms, Other Uses:	9
TOTAL	24

1973-74	
Federal Programs	
Title I:	
Type of Program:	
# of Students:	0
% School Enrollment:	
Lunch Program:	
# Students, Free:	18
# Students, Reduced Price:	0
TOTAL	18
% School Enrollment:	7.9
Bilingual Program:	
# Eligible Students:	0
% School Enrollment:	
METCO Interdistrict Program:	
# Students:	0
% School Enrollment:	

[illegible]



School District # 184  
School # 003

STUDENT ETHNIC CENSUS: 1973-74							
	Total	White	Non-white	Non-white			
				Black	Native-American	Asian-American	Spanish Surname
Number	229	229	0	0	0	0	0
Percent	100.0	100.0					

RACIAL CENSUS: 1967-68, 1970-71, 1972-73					
Years	Total Enrollment	White		Non-white	
		#	%	#	%
1967-1968	200	199	99.5	1	0.5
1970-1971	211	211	100.0	0	
1972-1973	242	240	99.2	2	0.8

RACIAL CENSUS: ENROLLMENT CHANGE 1967-1972			
	#	%	% Change in Proportional Distribution
TOTAL	+42	+21.0	
White	+41	+20.6	-0.6
Non-white	+1	+100.0	+60.0

ELIGIBLE TRANSITIONAL BILINGUAL STUDENTS: 1973-74		
Language	Number of Students	Percent of Bilingual Enrollment
TOTAL	0	
Chinese		
French		
Greek		
Italian		
Portuguese		
Spanish		
Other		



School District # 184  
School # 005

1973-74  
School District: Middleton  
School Name: Howe-Manning  
No. & Street: Central St.  
City, State, Zip: Middleton, Mass. 01949  
Grade Organization: 3-6  
Facilities:  
Initial Construction Date: 1937  
Dates of Additions or Changes: 1951, 1957  
# Rooms, Instructional Use: 30  
# Rooms, Other Uses: 14  
TOTAL 44

1973-74	
Federal Programs	
Title I:	
Type of Program:	
# of Students:	0
% School Enrollment:	
Lunch Program:	
# Students, Free:	47
# Students, Reduced Price:	0
TOTAL	47
% School Enrollment:	12.5
Bilingual Program:	
# Eligible Students:	0
% School Enrollment:	
METCO Interdistrict Program:	
# Students:	0
% School Enrollment:	

[illegible]





School District # 184 School # 005
---------------------------------------

STUDENT ETHNIC CENSUS: 1973-74							
	Total	White	Non-white	Non-white			Spanish Surname
				Black	Native-American	Asian-American	
Number	375	375	0	0	0	0	0
Percent	100.0	100.0					

RACIAL CENSUS: 1967-68, 1970-71, 1972-73					
Years	Total Enrollment	White		Non-white	
		#	%	#	%
1967-1968	347	345	99.4	2	0.6
1970-1971	462	461	99.8	1	0.2
1972-1973	399	399	100.0	0	

RACIAL CENSUS: ENROLLMENT CHANGE 1967-1972			
	#	%	% Change in Proportional Distribution
TOTAL	+52	+15.0	
White	+54	+15.7	+0.6
Non-white	-2	-100.0	-100.0

ELIGIBLE TRANSITIONAL BILINGUAL STUDENTS: 1973-74		
Language	Number of Students	Percent of Bilingual Enrollment
TOTAL	0	
Chinese		
French		
Greek		
Italian		
Portuguese		
Spanish		
Other		



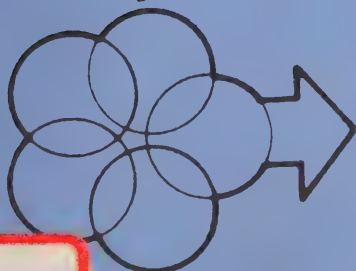
# METRO WAYS TO UNDERSTANDING

A PLAN FOR THE VOLUNTARY ELIMINATION OF  
RACIAL AND ETHNIC ISOLATION IN THE SCHOOLS  
OF THE BOSTON METROPOLITAN AREA

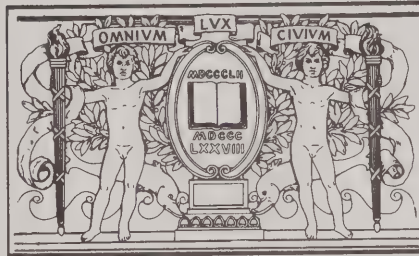
VOLUME III

COMMUNITY PROFILES

TOWN OF  
MILLIS



THE METROPOLITAN PLANNING PROJECT



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METRO WAYS TO UNDERSTANDING:

A Plan for the Voluntary Elimination of  
Racial and Ethnic Isolation in the Schools of  
The Boston Metropolitan Area

VOLUME III THE COMMUNITY PROFILES

Community Profile # 187  
Town of Millis

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1973-74

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## ABSTRACT

The Metropolitan Planning Project is a collaborative effort of 17 school districts supported by an additional 39 approving school districts within the Boston Metropolitan Area. Its mandate is to develop a Ten Year Plan for the phased elimination of racial and ethnic isolation in the area's schools through voluntary school district collaboration. The Project is funded by the U.S. Office of Education under the Emergency School Aid Act of 1972.

METROWAYS TO UNDERSTANDING: A Plan for the Voluntary Elimination of Racial and Ethnic Isolation in the Schools of the Boston Metropolitan Area is a phased Ten Year Plan which is a result of the process that the Metropolitan Planning Project has undergone during this year of planning. The Project has worked to achieve effective community participation in an effort to design quality learning environment programs for students. As a result of a city and suburban exchange of ideas, the Metropolitan Planning Project has helped to promote the development of over 78 proposals in 32 cities and towns for the design of new innovative learning environments. With a \$300,000 allocation for pilot programming, 14 pilot projects were funded to test MPP objectives. The projects included students from pre-kindergarten through high school age. The focus ranged from American history, art, ecology, energy, comparative life styles to Afro-American, Hispanic, Native-American, and Chinese-American cultures.

The Project has also compiled extensive data on the educational, demographic, housing, fiscal, socio-economic, land use and ethnic and racial characteristics of the 78 towns and cities in the greater Boston standard metropolitan statistical area (SMSA). This information was developed as a needs analysis and resource inventory and has been utilized in the development of the recommended educational programs. It provides the basis for program implementation. The Ten Year Plan METROWAYS TO UNDERSTANDING is aimed at promoting voluntary collaboration between urban and suburban school districts and includes the involvement of students, parents, teachers, school principals, superintendents, community organizations and others concerned with education.



During the 1974-75 school year, the Metropolitan Planning Project will pilot some of the policy recommendations developed through this participatory planning process. These recommendations include:

METROPATHWAYS - Quality innovative educational programs which will be accessible to secondary school students of different socio-economic, racial, and ethnic background within the metropolitan area by utilizing mass transit routes.

METROPAIRWAYS - Parents and school personnel from pairs or triads of city and suburban districts will meet to formulate educational programs of equal benefit to the students. Learning centers will be developed in two or three schools and each will serve as a supplement to the educational quality of each individual school.

METROETHNIC HERITAGE RESOURCE CENTERS - These will be coordinated within METROCENTER and will promote the study, compilation, production and distribution of materials and information related to minorities and ethnic groups of the SMSA. It will also be an action program for the development of other resource centers in the metropolitan area.

METROCENTER FOR COMMUNICATIONS, COUNSELLING, AND RESOURCE DEVELOPMENT - This center will coordinate the metropolitan educational programs and serve as an information and resource "bank" for students, parents, community groups and educators throughout the metropolitan area who wish to be involved in urban-suburban educational programs and staff development programs aimed at eliminating racial and ethnic isolation of students.

#### ACKNOWLEDGEMENT

I wish to thank Dr. Forbes Bottomly for his encouragement and support of this research approach; Edward Feinman and Leslie S. May who, together with the Support Research Staff and myself, developed the analyses in Volume II RESOURCES FOR IMPLEMENTATION and Volume III COMMUNITY PROFILES. Our grateful appreciation to Mrs. Helen Taggart who formatted and typed the research materials.

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## INTRODUCTION TO THE NOTES AND SOURCES FOR THE COMMUNITY PROFILES

The Community Profiles were developed for the 78 municipalities that comprise the study area of the Metropolitan Planning Project (MPP). The study area is defined as the 1963 Boston standard metropolitan statistical area (SMSA) boundaries. The Profiles were prepared to meet the mandate of Objective B of the Support Research component of the MPP proposal. This mandate is:

To develop profiles and analysis of social, ethnic, economic, and educational characteristics of the metropolitan area and of its individual communities.

The purpose of these profiles are to serve as the data base for the Ten Year Plan and to develop information for the implementation of educational programs through the analyses of the interaction between the education system and related urban functional systems.

A Community Profile was developed for each of the following cities and towns:

Arlington	Lexington	Randolph
Ashland	Lincoln	Reading
	Lynn	Revere
Bedford	Lynnfield	Rockland
Belmont		
Beverly	Malden	Salem
Boston	Manchester	Saugus
Braintree	Marblehead	Scituate
Brookline	Marshfield	Sharon
Burlington		Sherborn
	Medfield	Somerville
Cambridge	Medford	Stoneham
Canton	Melrose	Sudbury
Chelsea	Middleton	Swampscott
Cohasset	Millis	
Concord	Milton	Topsfield
Danvers	Nahant	Wakefield
Dedham	Natick	Walpole
Dover	Needham	Waltham
Duxbury	Newton	Watertown
	Norfolk	Wayland
Everett	North Reading	Wellesley
	Norwell	Wenham
Framingham	Norwood	Weston
		Westwood
Hamilton	Peabody	Weymouth
Hanover	Pembroke	Wilmington
Hingham		Winchester
Holbrook	Quincy	Winthrop
Hull		Woburn

There are also Profiles for each of the following regional school districts:

Dover-Sherborn  
Experimental School System of the Commonwealth of Massachusetts  
Hamilton-Wenham  
Lincoln-Sudbury  
North Shore Regional Vocational

The information in the Community Profiles assess the needs and resources of each community. It is helpful in planning for the future of each school system as well as in the development of educational curricula and programs. These will utilize school and community based resources for metropolitan educational programs for the elimination of racial and ethnic student isolation in the school districts of the SMSA. More detailed analyses of each of these communities, including a series of tables comparing these school districts and an "Analyses of Grouped Communities", are found in earlier Volumes.

These notes were prepared so that persons interested in obtaining further detailed information or in updating present data can easily do so. The source of the information and where it is located is given for each table. Non-classified government information is available by public law to all persons. This includes individual public school records as well as municipal, county, state, and federal data.

There are two sections of the Community Profiles. The first section, Community Profiles, displays educational and educational-related information about the community. The second section, Individual School Profiles, displays educational information about each individual school in the district. The page number at the beginning of a table corresponds to the page number of the Community Profile. Each Individual School Profile is 2 pages and notes for the tables are consistent with this format.



## NOTES AND SOURCES FOR THE COMMUNITY PROFILES

### EDUCATIONAL CHARACTERISTICS

#### PAGE 1 - NUMBER OF SCHOOLS AND ENROLLMENT

By Type of School: 1973-74

The information on the total number of schools in a school district, as well as the number of Elementary, Junior High, High Schools, Special and Ungraded, Regional, and Vocational Schools in a district, were obtained from the Massachusetts State Department of Education, Bureau of Educational Information Services, Massachusetts School Directory 1973-74. This publication lists the name, address, and grade organization of each school in the Commonwealth. It notes which schools are Special, Ungraded, Regional, or Vocational. Elementary Schools are those schools composed of one or all the grades K through 5 or grades K through 6. Junior High Schools are those schools composed of one or all the grades 6 through 8; schools with grades 5-6, 5-7, 5-8, and 7-9 are counted as Junior High Schools. High Schools are those schools composed of one or all of the grades 9 through 12.

The "Total", "White", and "Non-white" enrollments for each type of school were obtained from a survey conducted by the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Enrollment by Classification, Exhibit II, 1973-74. The enrollments for all Elementary Schools, Junior High Schools, High Schools, Special and Ungraded Schools, Regional Schools, and Vocational Schools in a school district which is recorded in this table were totalled by the Metropolitan Planning Project (MPP) support research staff.

#### PAGE 1 - SCHOOL ATTENDING CHILDREN IN PUBLIC and Non-public Schools

This information was obtained from the Commonwealth of Massachusetts, Annual Report of the State Department of Education for the Year Ending June 30, 1968; Annual Report ... June 30, 1971; and Annual Report ... June 30, 1973. The percentage of "Public" and "Non-public" school attending children were calculated by the MPP support research staff.

#### PAGE 1 - EDUCATIONAL COLLABORATIVE PARTICIPATION 1973-74

The educational collaboratives listed in this table were found in the following sources:

The Massachusetts State Department of Education, Bureau of Educational Information Services, Massachusetts School Directory, 1973-74; Institute for Educational Services, Inc., "Survey on Collaboration", 1971; Metropolitan Planning Project Support Research Component Telephone Survey, 1974; Massachusetts State Department of Education, Division of Curriculum and Instruction, Kaleidescope 7, 1973,

Other educational collaboratives in the Boston metropolitan area were not available from these sources.

PAGE 1 - 1970 CENSUS: SCHOOL ENROLLMENT FOR  
Level and Type of School by Race  
(Population 3 - 34 years)

This information was obtained from the United States Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing. U.S. Census information is available in published monographs, which are available at libraries and governmental agencies, and on computer tapes. The data on computer tape is organized into sequences and each sequence is referred to as a "count". Within each "count", the data is subdivided into tables, and each table has been given a number and title. The information in this table was obtained from the 4th Count Population Summary Tapes for Massachusetts, Table 38, "Population 3 Years Old and Over Enrolled in School by Level and Type of School." This information was based on a 15 percent sample survey. The percentages may not add up to 100 percent because of rounding. An N.A. indicates that this information was not available for the school district. The "Spanish-American" category includes people who are both "White" and "Black" according to the Census definition so that the total of the "White", "Black" and "Spanish-American" columns will never equal the "Total" population column.

PAGE 1 - FEDERALLY-FUNDED PROGRAMS: 1973-74

The information on Title I students in each school district was obtained from the Massachusetts State Department of Education, Division of Curriculum and Instruction, Bureau of Curriculum Services, Title I ESEA, "Unpublished Title I Program Documents, 1973-74". The Title III information was obtained from the Massachusetts State Department of Education, Division of Curriculum and Instruction, Bureau of Curriculum Services, Title III ESEA, Kaleidescope 7, 1973 and the Metropolitan Planning Project support research staff telephone survey of Title III Program Directors, July-August, 1974. The percent total enrollment was calculated by dividing the number of students in Title I and III programs by the total number of students in the district during the 1973-74 school year. The total number of students was obtained from the Massachusetts

State Department of Education, Division of Research, Planning, and Evaluation, Enrollment by Classification, Exhibit II, 1973-74. This is the same total that appears in the "Student Ethnic Census: 1973-74" table on page 2.

The Title I and Title III programs are funded by the U.S. Office of Education and were enacted by the U.S. Congress as part of the 1965 Elementary and Secondary Education Act (ESEA). The Title I program provides assistance for "educationally deprived and neglected and delinquent children." The Title III program "supports proposals to advance creativity in education."

PAGE 2 - RACIAL CENSUS: 1967-68; 1970-71; 1972-73

The information on the "Total", "White", and "Non-white" enrollments for these three school years was obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Racial Census, October, 1967; Racial Census, October, 1970; and Racial Census, October, 1972. The Racial Census does not indicate which students were considered "White" and which were considered "Non-white".

PAGE 2 - RACIAL CENSUS: ENROLLMENT CHANGE 1967-1972

These figures were calculated from the previous table by the MPP support research staff. The figures under the number sign (#) column were calculated by subtracting from the "Total", "White" or "Non-white" enrollment for the 1972-73 school year the "Total", "White" or "Non-white" enrollment for the 1967-68 school year. For example, if the 1972-73 total enrollment was 100 students and the 1967-68 enrollment was 50 students, the enrollment change would be +50(100-50) and this figure would appear in the appropriate box. The figures under the percent (%) column were derived by dividing the difference between the 1972-73 and 1967-68 enrollment by the 1967-68 enrollment. If the difference, for example, between the 1972-73 and 1967-68 enrollments was +50 and the 1967-68 enrollment was 50, the percent change would be +100 (+50/50). The figures under the "% Change in Proportional Distribution" column were calculated as follows:

The "% White" (or "% Non-white") for 1972-73 was subtracted from the "% White" (or "% Non-white") for 1967-68.

This difference was divided by the "% White"(or "% Non-white") for 1967-68 and this is the figure that was recorded. For example, if the "% White" in 1967-68 was 75% and the "% White" in 1972-73 was 50%, the "% Change in Proportional Distribution" would be calculated as follows:  
$$(50-75)/75 = (-25)/75 = -0.33.$$

Since the percent "Total Enrollment" is always 100%, no "% Change in Proportional Distribution" was calculated or recorded for "Total Enrollment". If there is a percent change from 0 to any number the "% Change in Proportional Distribution" is mathematically undefined. This is noted by the word "Undefined".



PAGE 2 - STUDENT ETHNIC CENSUS: 1973-74

This information was obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Enrollment by Classification, Exhibit II, 1973-74. The figures in the "White" column include white students and students of racial backgrounds other than "Black", "Native-American", "Asian-American", and "Spanish Surname". "Spanish Surname" students were placed in the "Non-white" category.

PAGE 2 - FOLLOW-UP OF HIGH SCHOOL GRADUATES: 1968; 1972

The information on the post high school placement of 1968 graduates was obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Distribution of Graduating Class, 1969. The number of students in each of the various placement categories may not equal the total number of high school graduates because information on all placements was not available. Some of the school districts are members of regional high schools so that information on their high school students would be included in the regional high school data. There is, therefore, no information recorded for the following school districts (the name of the regional high school their students attend is in parentheses):

- Concord (Concord-Carlisle Regional High School)
- Dover (Dover-Sherborn Regional High School)
- Hamilton (Hamilton-Wenham Regional High School)
- Lincoln (Lincoln-Sudbury Regional High School)
- Middleton (Masconomet Regional High School)
- Nahant (all Nahant high school students attend high schools in Lynn)
- Norfolk (King Philip Regional High School)
- Sherborn (Dover-Sherborn Regional High School)
- Sudbury (Lincoln-Sudbury Regional High School)
- Topsfield (Masconomet Regional High School)
- Wenham (Hamilton-Wenham Regional High School)

If there was no information available on high school graduates in a particular district, this is noted by an N.A. in the first column (under the # sign). The information on the 1972 graduates was obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Distribution of High School Graduates, Class of 1972, Fall 1973. The districts which sent their high school students to regional schools in 1968 remained the same and, therefore, no information on 1972 high school graduates for these districts is recorded. In addition to these districts, there will be no information for Pembroke since their high school students now attend Silver Lake Regional High School. The percentages in the 1972 column may not add up to 100% because of rounding.

PAGE 2 - ELIGIBLE TRANSITIONAL BILINGUAL STUDENTS: 1973-74

The number of students eligible for a transitional bilingual program was obtained from the Massachusetts State Department of Education, Bureau of Transitional Bilingual Education, Census of Children of Limited English Speaking Ability on October 1, 1973, under Chapter 71A, Act of 1971. This Census of all public school students is conducted each year in order to determine how many students are of limited English speaking ability as defined in Chapter 71A and, thus, eligible for transitional bilingual classes. The "Percent of Bilingual Enrollment" was calculated by the MPP support research staff by dividing the number of students in each language category, such as "Chinese" or "French" by the "Total" number of eligible bilingual students.

PAGE 3 - PUBLIC SCHOOL STUDENT ENROLLMENTS: 1964 - 1982

Past Enrollments: 1964 - 1972  
Projected Enrollments: 1973 - 1982

This information was prepared for the Metropolitan Planning Project by the Organization for Social and Technical Innovation, Inc. (OSTI).

These enrollment projections are based on time-series enrollment data from 1964 through 1972, obtained from the Massachusetts State Department of Education, Division of Research, Planning and Evaluation. The source of the historical enrollment data for the forecast categories "Total K-12", "Total K-6", "Total 7-12", "White K-12" and "Non-white K-12" was the superintendent's report entitled Census Report.

The numbers in parentheses under each forecast category represents the  $R^2$  (coefficient of determination) for that particular projected enrollment series. It is presented to indicate a rough sense of the reliability of each forecast --  $R^2$ 's of .8 or .9 are very reliable,  $R^2$ 's of .5, .6, or .7 are good, and  $R^2$ 's of .4 or less are unreliable. When the projections for subcategories (for example, "White K-12" and "Non-white K-12" are subcategories of "Total K-12") are totaled, they do not necessarily equal the projected enrollment figures for the total category. This is because each forecast category was projected independently from the others and the projections selected are not necessarily each derived from the same mathematical equation, since the best projection was selected for each forecast category largely independent of the projections selected for other forecast categories.

School districts with no projections presented or particular forecast categories left blank means the projection here was entirely unsuccessful, sometimes for mathematical reasons, sometimes because of missing years of historical data, and sometimes because of almost certain incorrect historical enrollment data.

PAGE 4 - NUMBER OF TEACHERS BY RACE: 1972-73

This information was obtained from the U.S. Department of Health, Education, and Welfare, Office for Civil Rights, Directory of Public Elementary and Secondary



Schools in Selected Districts, Enrollment and Staff by Racial/Ethnic Group, Fall, 1974. Since this information was collected from selected school districts, data was only available for 68 of the 83 Boston metropolitan area districts. MPP support research staff contacted the remaining districts to complete the survey. The following school districts provided this information:

Cohasset  
Dover  
Dover-Sherborn Regional High School  
Experimental School System of the Commonwealth of Massachusetts  
Hamilton-Wenham Regional High School  
Holbrook  
Manchester  
Nahant  
Topsfield  
Wenham

An N.A. indicates that this information was not available for the school district. Spanish Surname teachers were placed in the "Non-white" category.

PAGE 4 - NUMBER OF TEACHERS, TEACHER-AIDES, AND OTHER PROFESSIONAL STAFF: 1973-74

This information was obtained from the U.S. Equal Employment Opportunity Commission, Elementary-Secondary Staff Information (EEO-5), October 1, 1973. Since this information was collected on a selected school district basis, the MPP support research staff surveyed the remaining districts to obtain this information. The following school districts provided this information:

Ashland  
Beverly  
Braintree  
Cohasset  
Experimental School System of the Commonwealth of Massachusetts  
Framingham  
Hamilton-Wenham Regional High School  
Manchester  
Medfield  
Medford  
Middleton  
Millis  
Nahant  
Norfolk  
Pembroke  
Saugus  
Sherborn  
Sudbury  
Topsfield  
Walpole

The "Other Professional Staff" category include the following staff positions: Officials, Administrators, Managers, Principals, Assistant Principals, Guidance Personnel, Psychologists, Librarians, Supervisors of Instruction, and all other professional staff. An N.A. indicates that this information was not available for the school district.

#### PAGE 5 - SELECTED FINANCIAL CHARACTERISTICS

The information on "% Municipal Tax Dollar Spent on Education" was obtained from the Commonwealth of Massachusetts, Annual Report of the Department of Education for the Year Ending June 30, 1968; Annual Report ... June 30, 1971; Annual Report ... June 30, 1973.

The "% Municipal Tax Dollar Spent on Education" was calculated by the MPP support research staff by dividing the school tax rate by the general tax rate. For example, if the school tax rate in a town was \$24 and the total tax rate was \$48, the "% Municipal Tax Dollar Spent on Education" would be 50% (24/48).

The information on "Comprehensive Per Pupil Expenditure" was obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Per Pupil Expenditures 1967-68; Per Pupil ... 1970-71; Per Pupil ... 1972-73. This per pupil expenditure is the integrated per pupil cost for the Regular Day, Vocational Day, and Special Education Programs and pro-rated Regional School Expenditures divided by the average membership of students in those programs.

The information on "Public School Attending Children Transported at Public Expense" was obtained from the Commonwealth of Massachusetts, Annual Report of the Department of Education for the Year Ending June 30, 1968; Annual Report ... June 30, 1971; Annual Report ... June 30, 1973. Discrepancies may appear in this table because the data received was unaudited.

The information on "Computative Equalized Property Valuation per School Attending Child" was obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, School Aid to Massachusetts Cities and Towns, (Chapter 70 Amended), 1967-68; School Aid ... 1970-71; School Aid ... 1972-73. Computative equalized property valuation for any one year is equal to the equalized property valuation the previous calendar year divided by the number of school attending children for that school year. For example, the computative equalized valuation for 1967-68 is derived by dividing the equalized property valuation for 1966 by the number of school attending children for 1967-68.

#### PAGE 5 - TAX RATE

This information was obtained from the Massachusetts Teachers Association, Background Data for Massachusetts School Districts 1973, Research Bulletin 734-9, 1973. The official tax rate is equal to a city or town's budget needs divided by the assessed value (tax rate=budget needs/assessed value). The equalized

tax rate is equal to the town's budget needs divided by the true market value of property in a city or town, as determined by the Massachusetts Department of Corporations and Taxation (equalized tax rate=budget needs/full market value). The tax rate indicates the number of dollars per \$1,000 of assessed valuation a person or corporation would be taxed on property owned.

#### PAGE 5 - SCHOOL TAX RATE

This information was obtained from the Massachusetts Teachers Association, Background Data for Massachusetts School Districts 1973, Research Bulletin 734-9, 1973. The official school tax rate is equal to a city or town's school budget needs divided by the assessed value (school tax rate=school budget needs/assessed value). The equalized school tax rate is equal to the town's school budget needs divided by the true market value of property in a city or town, as determined by the Massachusetts Department of Corporations and Taxation (equalized school tax rate=school budget needs/full market value). The school tax rate indicates the number of dollars per \$1,000 of assessed valuation a person or corporation would be taxed on property owned.

#### PAGE 5 - 1973 MOODY'S BOND RATING

This information was obtained from Moody's Investor Service, Moody's Bond Record, December 1973. The bonds were rated by Moody's Investor Service in the following order, with the first rating assigned to the bonds judged to be of highest quality and the last rating assigned to bonds judged to be of lowest quality:

Aaa	Baa	Caa
Aa	Ba	Ca
A	B	C

The bonds in the A and Baa groups which Moody's determined had the strongest investment attributes were designated by the symbols A-1 and Baa-1.

#### PAGE 5 - PUBLIC SCHOOL STUDENTS Receiving Subsidized Lunches: 1973-74

This information was obtained from the Massachusetts State Department of Education, Bureau of Nutrition Education and School Food Services Education, "Average Number of Lunches Served to Needy". The figures in this table was calculated by taking the number of needy students served lunches in a school during the month of January, 1974 and dividing this number of the number of days schools were opened that month. The average number of lunches served per day in each school were totalled by the MPP support research staff to develop the school district totals.

The "% of Total Enrollment" was calculated by dividing the number of lunch program students by the 1973-74 total school district enrollments obtained from the Massachusetts State Department of Education, Division of Research, Planning and Evaluation, Enrollment by Classification, Exhibit II, 1973-74.



PAGE 5 - STUDENTS ENROLLED IN METCO

The information on the number of METCO (Metropolitan Council for Educational Opportunities, Inc.) students during the 1967-68 school year was obtained from the Massachusetts State Department of Education, Bureau of Equal Education Opportunity, "Recommendations for Funding of Plans Submitted Under Chapter 506 of the Acts of 1966," 1968. The 1970-71 information was obtained from the Massachusetts State Department of Education, Bureau of Equal Educational Opportunity, "Fiscal Report, METCO 1970-71 Program". The 1972-73 information was obtained from the Massachusetts State Department of Education, Bureau of Equal Educational Opportunity, "Memorandum to Rae Cecilia Kipp [Chairman, State Board of Education] from Charles L. Glenn and Cecilia M. DiBella, August 22, 1972. Subject: METCO Program for 1972-73." The information for the 1973-74 school year was obtained from the METCO files "Unpublished Student Enrollment Records", August, 1974. This information was obtained on a school by school basis; the schools figures were totalled by the MPP support research staff to develop the school district totals.

The "% of Total Enrollment" for the 1967-68; 1970-71; and 1972-73 school years were calculated by dividing the number of METCO students by the total number of students for that particular year. The total number of students for those school years were obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Racial Census, October, 1967; Racial ... 1970; Racial ... 1973. The "% of Total Enrollment" for the 1973-74 school year was calculated by dividing the "# METCO Students" by the 1973-74 district enrollments obtained from the Massachusetts Department of Education, Division of Research, Planning and Evaluation, Enrollment by Classification, Exhibit II, 1973-74. METCO is a state funded interdistrict transfer program which transports children from Boston to suburban school districts.

PAGE 6 - PERCENT DISTRIBUTION OF SCHOOL REVENUES: 1967-68; 1970-71; 1972-73

This information was obtained from the Commonwealth of Massachusetts, Annual Report of the Department of Education for the Year Ending June 30, 1968; Annual Report ... June 30, 1971; Annual Report ... June 30, 1973. The percentages were calculated by the MPP support research staff. The percentages may not add up to 100 percent because of rounding.

PAGE 6 - ABSOLUTE DOLLAR AND PERCENT CHANGES IN REVENUES: 1967-72

These figures were calculated from the previous table. The dollar (\$) "Changes in Public School Funds Provided 1967-72" were calculated by subtracting the 1972-73 dollar amounts for "Total Funds Provided", "Local Sources", and remaining categories from the 1967-68 dollar amounts. For example, if the total public school funds provided in 1972-73 were \$100,000 and the funds provided in 1967-68 were \$50,000, the absolute dollar change in revenues would be \$50,000 (\$100,000-\$50,000). The percent changes in revenues was calculated by dividing the difference

between the 1972-73 and 1967-68 funds provided by the 1967-68 amount. For example, if the 1972-73 total funds provided were \$100,000 and the 1967-68 funds provided were \$50,000, the percent "Change in Funds Provided" would be equal to  $(\$100,000 - \$50,000) / \$50,000 = \$50,000 / \$50,000 = +100\%$ . If there were no funds provided during 1967-68 for any of the categories, the percent change in revenues is mathematically undefined. This is noted by the word Undefined.

#### PAGE 6 - PERCENT CHANGE IN PROPORTIONAL DISTRIBUTION OF REVENUES: 1967-72

These figures were calculated from the first table on page 6. The "Percent Change in Proportional Distribution of Revenues" was derived as follows:

The percent of revenues from "Local Sources", "Commonwealth Sources", and remaining categories for the 1967-68 school year was subtracted from the 1972-73 school year figures then this difference was divided by the percent "Local Sources", "Commonwealth Sources", and remaining categories for the 1967-68 school year.

For example, if the percent of revenues from local sources in 1967-68 were 50% and the percent of revenues from local sources in 1972-73 were 75%, the "Percent Change in Proportional Distribution of Revenues: 1967-72" would equal  $(75-50)/50 = 25/50 = +50\%$ . If there is a percent change from 0 to any number, the "Percent Change in Proportional Distribution" is mathematically undefined. This is noted by the word Undefined.

#### PAGE 7 - PERCENT DISTRIBUTION OF SCHOOL EXPENDITURES: 1967-68; 1970-71; 1972-73

This information was obtained from the Commonwealth of Massachusetts, Annual Report of the Department of Education for the Year Ending June 30, 1968; Annual Report ... June 30, 1971; Annual Report ... June 30, 1973. The percentages were calculated by the MPP support research staff. The percentages may not add up to 100 percent because of rounding.

#### PAGE 7 - ABSOLUTE DOLLAR AND PERCENT CHANGES IN EXPENDITURES: 1967-72

These figures were calculated from the previous table. The dollar (\$) "Changes in Public School Funds Expended 1967-72" were calculated by subtracting the 1972-73 dollar amounts for "Total Public School Funds Applied", "Administration", and remaining categories from the 1967-68 dollar amounts. For example, if the "Total Public School Funds Applied" in 1972-73 were \$100,000 and the funds applied in 1967-68 were \$50,000, the absolute dollar change in expenditures would be \$50,000  $(\$100,000 - \$50,000)$ . The percent changes in expenditures was calculated by dividing the difference between the 1972-73 and 1967-68 funds expended by the 1967-68 amount. For example, if the 1972-73 total funds expended were \$100,000 and the 1967-68 funds expended were \$50,000, the percent "Changes in Public School Funds Expended" would be equal to  $(\$100,000 - \$50,000) / \$50,000 = \$50,000 / \$50,000 = +100\%$ . If there were no funds provided during 1967-68 for any of the categories, the percent change in expenditures is mathematically undefined. This is noted by the word Undefined.



PAGE 7 - PERCENT CHANGE IN PROPORTIONAL DISTRIBUTION OF EXPENDITURES: 1967-72

These figures were calculated from the first table on page 7. The "Percent Change in Proportional Distribution of Expenditures" was derived as follows:

The percent of expenditures from "Administration", "Instruction", and remaining categories for the 1967-68 school year was subtracted from the 1972-73 school year figures. Then this difference was divided by the percent "Administration", "Instruction", and remaining categories for the 1967-68 school year.

For example, if the percent of expenditures for "Administration" in 1967-68 were 50% and the percent of expenditures for "Administration" in 1972-73 were 75%, the "Percent Change in Proportional Distribution of Expenditures: 1967-72" would equal  $(75-50)/50 = 25/50 = +50\%$ . If there is a percent change from 0 to any number, the "Percent Change in Proportional Distribution of Expenditures" is mathematically undefined. This is noted by the word Undefined.

PAGE 8 - 1970 CENSUS: COUNT OF PERSONS 25 YEARS OF AGE AND OVER BY RACE AND YEARS OF SCHOOL COMPLETED.

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 42, "Population 25 Years Old and Over by Years of School Completed and Sex". This information was based on a 20% sample survey. The "Spanish-American" category includes people who are both "White" and "Black" according to the Census definition so that the total of the "White", "Black" and "Spanish-American" columns will never equal the "Total Population" column. The "White" and "Black" figures may not equal the "Total Population" column because they do not include people of other racial backgrounds such as Asian-American and Native-American.

PAGE 8 - MEDIAN SCHOOL YEARS COMPLETED

This information was calculated from the previous table, "1970 Census: Count of Persons 25 Years of Age and Over by Years of School Completed". This calculation was performed by the Massachusetts Institute of Technology (M.I.T.) Information Processing Center.

DEMOGRAPHIC CHARACTERISTICS

PAGE 9 - CENSUS POPULATION BY RACE AND SPANISH LANGUAGE: 1960; 1970

The information on the 1960 population was obtained from the U.S. Department of Commerce, Bureau of the Census, 1960 Census of Population, Volume I, Characteristics of the Population, Part 23, Massachusetts, Tables 21, 25. This monograph

is available at libraries and governmental agencies. The "Asian-American" category includes only Chinese, Japanese, and Filipino. The percentages may not add up to 100 percent because of rounding.

The 1970 population figures were obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population, General Social and Economic Characteristics, Massachusetts, PC (1) - C23, Tables 81, 102 and 1970 Census of Population, General Population Characteristics, Massachusetts, PC (1) - B23, Tables 23, 27, 31. The "Asian-American" category includes only Chinese, Japanese and Filipino. The "Other" category includes Hawaiians, Koreans, Aleuts, Eskimos, Malaysians, and Polynesians. The "Spanish Language" data was obtained from the 1970 U.S. Census "Persons of Spanish Language" category. Persons of "Spanish Language" were not considered a distinct racial group by the U.S. Bureau of the Census and were, therefore, not distributed in the "White" or "Non-white" categories. An N.A. indicates that this information was not available for the school district. The percentages may not add up to 100 percent because of rounding.

The "1960-1970 Increase (+) Decrease (-)" figures were calculated by the MPP support research staff from the data in the first two rows of this table. The increase or decrease in the number (#) columns were derived by subtracting the 1970 population figures from the 1960 figures.

The increase or decrease in the percent (%) column were calculated by dividing the difference between the 1970 and 1960 population figures by the 1960 figures.

The "% Change in Proportional Distribution" was calculated as follows:  
The "% White", "% Non-white" and percentages for the other columns for 1970 were subtracted from the 1960 percentages. This difference was divided by the 1960 percentages and this is the figure that was recorded.

#### PAGE 9 - CENSUS POPULATION INCREASE OR DECREASE: 1960-1970

This information was obtained from the Massachusetts Department of Commerce and Development, Massachusetts Population 1970-1965-1960 and Population Movements in Massachusetts 1960-1970.

#### PAGE 9 - CENSUS: FERTILITY RATIO BY RACE

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 44, "Females 15-44 Years Old by Marital Status, Number of Children and Age". This ratio tells how many children, on the average, a woman between the ages of 15 and 44 had in 1970. For example, a fertility ratio of 1.35:1 indicates that for that city or town (and for that racial grouping) the average number of children a woman between 15 and 44 would have would be 1.35. An N.A. indicates that this information was not available for the school district.

PAGE 10 - 1970 CENSUS:  
Household Population by Race

The information on "Total Population" was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Second Count Summary Tapes for Massachusetts, Table 1, "Race and Sex". The information on "Population in Households" was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Second Count Summary Tapes for Massachusetts, Table 3, "Household Population by Age, Race and Sex". An N.A. indicates that this information was not available for the school district. The U.S. Bureau of the Census defines people who live in households as those people who occupy a group of rooms or a single room which constitutes a housing unit. All living arrangements other than households are classified as group quarters. Persons living in group quarters include, for example, those who are inmates of institutions and those living in rooming and boarding houses, communes or military barracks.

PAGE 10 - 1970 CENSUS:  
Number of Families by Sex of Family Head

The information on the number of families headed by females was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 75 "Family Income". The number of families headed by males was calculated by the MPP support research staff by subtracting the number of female headed families from the total number of families. This information was based on a 20 percent sample survey. The U.S. Bureau of the Census defines a family as a household head and one or more other persons living in the same household who are related to the head by blood, marriage, or adoption. The "White" and "Black" figures may not equal the "Total Population" because they do not include people of other racial backgrounds such as Asian-American and Native-American.

PAGE 10 - 1970 CENSUS: AGE DISTRIBUTION BY RACE

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Second Count Summary Tapes for Massachusetts, Table 2, "Single Years of Age, Race, and Sex". The percentages were calculated by the MPP support research staff. The percentages may not add up to 100 percent because of rounding. An N.A. indicates that this information was not available for the school district.

PAGE 11 - 1970 CENSUS: NATIVITY AND PARENTAGE

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 21, "Nativity and Parentage". This information was based on a 15 percent sample survey. A "Native of Native Parent"



is a person born in the United States, the Commonwealth of Puerto Rico or an outlying area of the United States whose parents were also born in the United States. "Foreign Stock" includes U.S. citizens who were foreign born as well as those people who were born in the U.S. but had one or more foreign born parents ("Foreign or Mixed Parentage"). The "Spanish-American" category includes people who are both "White" and "Black" according to the Census definition so that the total of the "White", "Black" and "Spanish-American" columns will never equal the "Total Population" column.

PAGE 11 - 1970 CENSUS: MOST FREQUENT COUNTRY  
of Origin of Foreign Stock

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 22, "Country of Origin and Nativity". This information was based on a 15 percent sample survey. This table indicates the country of origin of the foreign stock population (foreign born and native of foreign or mixed parentage) in a city or town, with the information presented separately for foreign born and native of mixed parentage. These figures were totalled by the MPP support research staff to arrive at the number of persons recorded for each of the countries listed in this table. The countries listed are those which have the largest number of former citizens presently U.S. citizens residing in this community. The percent foreign stock population was calculated by dividing the number of foreign stock citizens from a particular country by the total number of foreign stock residents in that city or town. The total number of foreign stock residents was obtained from the previous table, "1970 Census: Nativity and Parentage".

PAGE 11 - 1970 CENSUS: SPANISH POPULATION INDICATORS

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 24, "Spanish Indicators". The information on persons of "Spanish Origin or Descent" was derived from the question of whether a person's origin or descent was Mexican, Puerto Rican, Cuban, Central or South American, or other Spanish. The information on persons of "Puerto Rican Birth or Parentage" includes persons born in Puerto Rico and persons born in the United States or an outlying area with one or more parents born in Puerto Rico. Persons of "Spanish Language" comprise persons of Spanish mother tongue and all other persons in families in which the head or wife reported Spanish as his or her mother tongue. Since a person of "Spanish Origin or Descent" may appear in two or more of these Spanish population indicators, these figures were not totalled to arrive at a total number of Spanish population residents in a city or town.

PAGE 11 - 1970 CENSUS: MOST FREQUENT MOTHER TONGUES  
Other Than English

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 23, "Mother Tongue and Nativity". This information was based on a 15 percent sample survey of which language was spoken in a person's home when he or she was a child. Since English is the most frequent mother tongue, information is only displayed for mother tongues other than English. This information is presented separately for foreign born and natives and these figures were totalled by the MPP support research staff to arrive at the figures presented in this table.

ECONOMIC CHARACTERISTICS

PAGE 12 - 1970 CENSUS: NUMBER OF EMPLOYED PERSONS 16 YEARS OLD AND OVER  
BY OCCUPATION

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 58, "Employed Population 16 Years Old and Over by Occupation". This information was based on a 20 percent sample survey. Each of the occupation categories shown on this table such as "Professional, Technical, and Kindred Workers" have been broken down into subcategories and the same information in this table is available for each of these subcategories. An N.A. indicates that this information was not available for the school district. The percentages may not add up to 100 percent because of rounding. The "White" and "Black" figures may not equal the "Total Persons Employed" because they do not include people of other racial backgrounds such as Asian-American and Native-American. The "Spanish-American" category includes people who are both "White" and "Black" according to the Census definition so that the total of the "White", "Black" and "Spanish-American" columns will never equal the "Total Persons Employed" column.

PAGE 13 - MEDIAN INCOME: 1960 CENSUS; 1970 CENSUS

The information on 1960 Median Income was obtained from the U.S. Department of Commerce, Bureau of the Census, 1960 Census of Population, Volume I, Characteristics of the Population, Part 23 Massachusetts, Tables 33, 34, 76.

The information on the 1970 Median Income was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 75, "Family Income", and Table 76, "Income of Unrelated Individuals". This information was based on a 20 percent sample survey.



Information on families includes all those people living in the same household who are related to the head by blood, marriage, or adoption. Information on unrelated individuals includes all members of a household who are not related to anyone else in the household or a person living in group quarters who is not an inmate of an institution. An N.A. indicates that this information was not available for the school district.

PAGE 13 -           1970 CENSUS: EMPLOYMENT STATUS BY RACE  
                  of Persons 16 Years of Age and Over in Labor Force

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 54, "Population 16 Years Old and Over by Labor Force Status, Selected Characteristics, and Sex". This information was based on a 20 percent sample survey. The employment or labor force status of persons over 16 is recorded by the U.S. Bureau of the Census in three categories: "In Labor Force", "In Armed Forces", and "Not in Labor Force". The information in this table covers only those people in the labor force, and this category is broken down into those who are "Employed" and those who are "Unemployed". Since the number and percent "Unemployed" is only based on those people in the labor force, it is an undercount of actual unemployment in a community. The "Total" is of those people 16 years and over in the labor force. An N.A. indicates that this information was not available for the school district. The "Spanish-American" category includes people who are both "White" and "Black" according to the Census definition so that the total of the "White", "Black", and "Spanish-American" columns will never equal the "Total" column. The percentages may not add up to 100 percent because of rounding. The "White" and "Black" figures may not equal the "Total" column because they do not include people of other racial backgrounds such as Asian-American and Native-American.

PAGE 14 -                           1970 CENSUS:  
                                  Number of Persons in Families and  
                                  Number of Unrelated Individuals with Income Less Than Poverty Level

The information on the number of "Persons in Families" below poverty level was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 83, "Aggregate Number of Persons in Families below Poverty Level".

The information on the "Number of Unrelated Individuals with Income Less Than Poverty Level" was obtained from the U.S. Department of Commerce, Bureau of the Census 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 89, "Unrelated Individuals by Age and Poverty Status". This information was based on a 20 percent sample survey. The number of persons in families and the number of unrelated individuals were totalled by the MPP support research staff to arrive at the total in this table.

The definition of poverty level income originated with the U.S. Social Security Administration in 1964 and was subsequently modified by a Federal Interagency Committee. This index provides a range of poverty income cutoffs adjusted by such factors as family size, family head, number of children under 18 years old, and farm and nonfarm residence, needed in order to maintain a nutritionally adequate food plan designed by the Department of Agriculture. In 1969, the poverty thresholds ranged from \$1,847 for a female unrelated individual 65 years old and over living on a farm to \$6,116 for a nonfarm family with a male head and with seven or more persons. The average poverty threshold for a nonfarm family of four headed by a male was \$3,745. An N.A. indicates that this information was not available for the school district. The percentages may not add up to 100 percent because of rounding. The "White" and "Black" figures may not equal the "Total Population" because they do not include people of other racial backgrounds such as Asian-American and Native-American. The "Spanish-American" category includes people who are both "White" and "Black" according to the Census definition so that the total of the "White", "Black", and "Spanish-American" columns will never equal the "Total Population" column.

PAGE 14 -

1970 CENSUS:

Number of Related Children Under 18 in Families  
Below Poverty Level by Presence of Parents

This information was obtained from the 1970 U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Population Summary Tapes for Massachusetts, Table 92, "Related Children Under 18 Years Old in Families Below Poverty Level by Presence of Parents". This information was based on a 20 percent sample survey. The percentages were calculated by the MPP support research staff by dividing the number of children under 18 living in families below poverty level by the total number of children under 18 in that city or town. An N.A. indicates that this information was not available for the school district. The "White" and "Black" figures may not equal the "Total Population" because they do not include people of other racial backgrounds such as Asian-American and Native-American. The "Spanish-American" category includes people who are both "White" and "Black" according to the Census definition so that the total of the "White", "Black" and "Spanish-American" columns will never equal the "Total Population" column.

PAGE 15 - CHARACTERISTICS OF INDUSTRIAL FIRMS: 1967

This information was obtained from the Commonwealth of Massachusetts, Division of Employment Security, "Massachusetts Employment and Wages 1967 by Area (City and Town) by Industry, 3 digit," unpublished computer printouts. This information is on industrial establishments subject to the Massachusetts Employment Security Law, Chapter 151A of the General Laws, and generally excludes employment in nonprofit institutions organized for religious, charitable, educational,

or scientific purposes; in domestic service; self employment and unpaid family service; and in governments. A definition of each major industry, such as "Agriculture and Mining", presented in this table, can be found in the following publication: The Commonwealth of Massachusetts, Division of Employment Security, Massachusetts Cities and Towns, Employment and Wages in Establishments Subject to the Massachusetts Employment Security Law by Major Industry Divisions 1967-1971, March, 1973.

PAGE 16 - CHARACTERISTICS OF INDUSTRIAL FIRMS: 1972

This information was obtained from the Commonwealth of Massachusetts, Division of Employment Security, "Massachusetts Employment and Wages 1972 by Area (City and Town) by Industry, 3 digit", unpublished computer printouts. This information is on industrial establishments subject to the Massachusetts Employment Security Law, Chapter 151A of the General Laws, and generally excludes employment in nonprofit institutions organized for religious, charitable, educational, or scientific purposes; in domestic service; self employment and unpaid family service; and in governments. A definition of each major industry, such as "Agriculture and Mining", presented in this table, can be found in the following publication: The Commonwealth of Massachusetts, Division of Employment Security, Massachusetts Cities and Towns, Employment and Wages in Establishments Subject to the Massachusetts Employment Security Law by Major Industry Divisions 1967-1971, March, 1973.

LAND USE CHARACTERISTICS

PAGE 17 - LAND USE PATTERNS IN (CITY OR TOWN NAME)

The percentages measured on this pie chart were calculated from land use pattern information obtained from the Metropolitan Area Planning Council, Preliminary Single Purpose Plan Report, Land Use Numbers, Study Element Number 3.05 of the Southeastern New England Study, October 1973 (compiled for the New England River Basin Study). This report contained information on the number of acres in a city or town utilized for "Residential", "Commercial" and the other remaining categories. The MPP support research staff calculated the percentages that were used to develop the pie chart displayed in this table.

HOUSING CHARACTERISTICS

PAGE 18 - 1970 CENSUS: SELECTED HOUSING CHARACTERISTICS

This information was obtained from the U.S. Department of Commerce, Bureau of the



Census, 1970 Census of Population and Housing, 1970 Census of Housing, General Housing Characteristics, Massachusetts HC (1)-A23, Tables 1, 8, 18, 23, 24. The median value of owner occupied units does not include those that are in multi-unit structures, trailers, rural units on farms or places of ten or more acres, or on properties any part of which is used as a business.

The U.S. Bureau of the Census defines a housing unit as a house, an apartment, a group of rooms, or a single room occupied or intended for occupancy as separate living quarters. A housing unit was considered vacant if no one was living in it at the time the Census was taken unless its occupants were only temporarily absent. Median value was the owner's estimate of how much the property (house and lot) would sell for, if it were for sale. Median contract rent is the monthly rent agreed to, or contracted for, regardless of any furnishings, utilities, or services that may be included.

PAGE 18 - 1970 CENSUS: NUMBER OF HOUSING UNITS  
by Occupancy Status and Race of Head of Household

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Housing Summary Tapes for Massachusetts, Table 26, "Occupancy/Vacancy Status". The total number of housing units in this table may be slightly lower than the total in the previous table because it does not include vacant migratory and seasonal units. The percentages may not add up to 100 percent because of rounding. An N.A. indicates that this information was not available for the school district. The "White" and "Black" figures may not equal the "Total" column because they do not include people of other racial backgrounds such as Asian-American and Native-American. This information was based on a 20% sample survey.

PAGE 18 - BUILDING PERMITS ISSUED FOR NEW  
Dwelling Units: 1960-71

This information was obtained from the Massachusetts Department of Commerce and Development, City and Town Monograph. This is a separate monograph for each city and town in the Commonwealth of Massachusetts. These monographs, which contain other information on a city or town, are free to the public upon request.

PAGE 19 - NUMBER OF SUBSIDIZED HOUSING UNITS BY TYPE OF CONSTRUCTION  
STATUS: 1973

This information was obtained from the Metropolitan Area Planning Council, (MAPC) Subsidized Housing in the Boston Region as of December 31, 1973, and is available to the public upon request. The MAPC is the regional planning agency for the Boston metropolitan area; it studies the demographic, socio-economic, land use, and housing characteristics of the cities and towns in the Boston metropolitan area. MHFA refers to the Massachusetts Housing Finance Agency.

PAGE 19 - 1970 CENSUS: AGE OF HOUSING UNITS

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Housing Summary Tapes for Massachusetts, Table 8, "Year Structure Built, Tenure, and Race of Head". This information was based on a 20 percent sample survey. Since this information is based on a sample survey, the total number of housing units may not equal the total number of units recorded on other "Housing Characteristic" tables. The number of "Other Occupied Housing Units" was calculated by the MPP support research staff by subtracting the "Black Occupied Housing Units" column from the "Total Housing Units" column. The "Other Occupied Housing Units" are occupied primarily by whites but may also be occupied by Asian-American, Native-American and other racial and ethnic group members. The percentages may not add up to 100 percent because of rounding. An N.A. indicates that this information was not available for the school district. The "Spanish-American" category includes people who are both "White", and "Black" according to the Census definition so that the total of the "White" "Black" and "Spanish-American" columns will never equal the "Total Housing Units" column.

PAGE 20 - 1970 CENSUS: NUMBER OF PERSONS PER ROOM IN OCCUPIED HOUSING UNITS  
By Race of Head of Household

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, First Count Summary Tapes for Massachusetts, Table 30, "Persons per Room, Tenure and Race of Head". The number of "Other Occupied Housing Units" was calculated by the MPP support research staff by subtracting the "Black Occupied Housing Units" column from the "Total Occupied Units" column. An N.A. indicates that this information was not available for the school district. The percentages may not add up to 100 percent because of rounding.

PAGE 20 - 1970 CENSUS: TYPE OF HOUSING STRUCTURE

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Housing Summary Tapes for Massachusetts, Table 9, "Units in Structure, Tenure, and Race, of Head". This information was based on a 20 percent sample survey. Since this information is based on a sample survey, the total number of housing units may not equal the total number of units recorded on other "Housing Characteristic" tables. This information is also available for Black and Spanish-American occupied units, both owner occupied and renter occupied. An N.A. indicates that this information was not available for the school district. The percentages may not add up to 100 percent because of rounding.



PAGE 20 - 1970 CENSUS:  
Average Number of  
Persons per Housing Unit

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Housing Summary Tapes for Massachusetts, Table 37, "Number of Persons in Unit, Tenure, and Race of Head". This information was based on a 20 percent sample survey. This information was calculated by the MPP support research staff by dividing the number of persons in housing units by the total number of housing units. The number of "Other Occupied Housing Units" was calculated by the MPP support research staff by subtracting the "Black Occupied Housing Units" column from the "Total Occupied Housing Units" column.

PAGE 21 - 1970 CENSUS: VALUE OF OWNER OCCUPIED HOUSING UNITS BY RACE OF  
HEAD OF HOUSEHOLD

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Housing Summary Tapes for Massachusetts, Table 52, "Value, Occupancy Status, and Race of Head". This information was based on a 20 percent sample survey. The value of an owner occupied unit was the owner's estimate of how much the property (house and lot) would sell for, if it were for sale. The number of "Other Owner Occupied Units" was calculated by the MPP support research staff by subtracting the "Black Owner Occupied Units" column from the "Total Owner Occupied Units" column. The percentages may not add up to 100 percent because of rounding. An N.A. indicates that this information was not available for the school district. The "Spanish-American" category includes people who are both "White" and "Black" according to the Census definition so that the total of the "White", "Black" and "Spanish-American" column will never equal the "Total Owner Occupied Units" column.

PAGE 22 - 1970 CENSUS: MONTHLY GROSS RENT BY RACE OF HEAD OF HOUSEHOLD

This information was obtained from the U.S. Department of Commerce, Bureau of the Census, 1970 Census of Population and Housing, Fourth Count Housing Summary Tapes for Massachusetts, Table 19, "Gross Rent and Race of Head". This information was based on a 20 percent sample survey. "Monthly Gross Rent" is the monthly rent agreed to, or contracted for, regardless of any furnishings, utilities, or services that may be included plus the estimated average monthly cost of utilities and fuels, if these items are paid for by the renter in addition to rent. The number of "Other Renter Occupied Units" was calculated by the MPP support research staff by subtracting the "Black Renter Occupied Units" column from the "Total Renter Occupied Units" column. An N.A. indicates that this information was not available for the school district. The percentages may not add up to 100 percent because of rounding. The "Spanish-American" category includes people who are both "White" and "Black" according to the Census definition so that the total of the "White", "Black" and "Spanish-American" columns will never equal the "Total Renter Occupied Units" column.

## NOTES AND SOURCES FOR THE INDIVIDUAL SCHOOL PROFILES

### PAGE 1 - SCHOOL DISTRICT #, SCHOOL #

The school district and school number (#) which appear on the upper right hand box are code numbers which are used by the Massachusetts State Department of Education. These code numbers were obtained from the Massachusetts State Department of Education, Bureau of Educational Information Services, Massachusetts School Directory 1973-74.

### PAGE 1 - 1973-74 SCHOOL DISTRICT; SCHOOL NAME; NO. & STREET; City, State, Zip; Grade Organization

This information was obtained from the Massachusetts State Department of Education, Bureau of Educational Information Services, Massachusetts School Directory 1973-74.

### PAGE 1 - FACILITIES

The information on a school's date of initial construction, date(s) of additions or changes, number of rooms for instructional use, and total number of rooms were obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, School Building Inventory, Fall, 1973. There were fifty-eight types of school rooms listed on this form. Forty-two of these rooms were placed by the MPP support research staff in the "Instructional Use" category. These rooms are:

1. Art (General)
2. Arts and Crafts
3. Auditorium
4. Automotive
5. Bandroom
6. Biology Laboratory
7. Bookkeeping
8. Chemistry Laboratory
9. Child Care Center
10. Chorus Room
11. Classroom Regular, (Regular, Interchangeable)
12. Classroom (Seminar Room)
13. Corrective Room (Athletics)
14. Earth Science Laboratory
15. Field House
16. General Science Laboratory
17. Graphic Arts
18. Gymnasium
19. Home Economics (Food)

20. Home Economics (General)
21. Home Economics (Multi-purpose Living Center)
22. Ice Skating Rink
23. Instructional Media Center
24. Language Arts Laboratory
25. Library
26. Mathematics Laboratory
27. Mechanical Drawing
28. Metal Shop
29. Music Room (General)
30. Office Machines
31. Office Practice
32. Physics Laboratory
33. Power Mechanics Shop
34. Sewing Room
35. Shop (General)
36. Social Studies Laboratory
37. Special Education Remedial Rooms
38. Stenography Room
39. Swimming Pool
40. Television Room
41. Typing Room
42. Wood Shop

The remaining sixteen were placed in the "Other Uses" category.  
They are:

1. Administrative Office
2. Audio-Visual Workroom
3. Cafeteria
4. Data Processing
5. Guidance Office
6. Health Suite
7. Kitchen
8. Lavatories (Boys')
9. Lavatories (Girls')
10. Shower and Locker Rooms
11. Storage (Books)
12. Storage (Custodial Supplies)
13. Storage (General Instructional Supplies)
14. Student Activity Room
15. Teachers' Lounge
16. Teachers' Workroom

An N.A. indicates that this information was not available for the school.



PAGE 1 - 1973-74 FEDERAL PROGRAMS

The information on "Title I" programs in a school ("Type of Program", "# of Students") was obtained from the Massachusetts State Department of Education, Division of Curriculum and Instruction, Bureau of Curriculum Services, Title I ESEA, "Unpublished Title I Program Documents, 1973-74." The "% School Enrollment" was calculated by the MPP support research staff by dividing the number of students in Title I programs by the total number of students in the school during the 1973-74 school year. The total number of students was obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Enrollment by Classification, Exhibit II, 1973-74. This is the same total that appears in the "Student Ethnic Census: 1973-74" table on page 2. The Title I program is funded by the U.S. Office of Education and was legislated by the U.S. Congress as part of the 1965 Elementary and Secondary Education Act (ESEA). The Title I program provides assistance for "educationally deprived and neglected and delinquent children".

The information on students in the "Lunch Program" ("# Students, Free"; "# Students, Reduced Price") was obtained from the Massachusetts State Department of Education, Bureau of Nutrition Education and School Food Services Education, "Average Number of Lunches Served to Needy". The figures in this table were calculated by taking the number of needy students served lunches in a school during the month of January, 1974 and dividing this number by the number of days schools were opened that month. The "% School Enrollment" was calculated by the MPP support research staff, 1973-74, by dividing the number of "Lunch Program" students by the 1973-74 school enrollment obtained from the Massachusetts State Department of Education, Division of Research, Planning and Evaluation, Enrollment by Classification, Exhibit II, 1973-74.

The information on students eligible for the "Bilingual Program" was obtained from the Massachusetts State Department of Education, Bureau of Transitional Bilingual Education, Census of Children of Limited English Speaking Ability on October 1, 1973, under Chapter 71A, Act of 1971. This Census of all public school students is conducted each year in order to determine how many students are of limited English speaking ability as defined in Chapter 71A and, thus, eligible for transitional bilingual classes. The "% School Enrollment" was calculated by the MPP support research staff by dividing the number of eligible bilingual students by the 1973-74 school enrollment obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Enrollment by Classification, Exhibit II, 1973-74.

The information on the number of METCO (Metropolitan Council for Educational Opportunities, Inc.) students was obtained from the METCO files, "Unpublished Student Enrollment Records", August, 1974. METCO is a state funded interdistrict transfer program which transports children from Boston to suburban school districts. The "% School Enrollment" was calculated by the MPP support research staff by dividing the number of METCO students by the 1973-74 school enrollment obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Enrollment by Classification, Exhibit II, 1973-74.

PAGE 1 - STAFF ETHNIC CENSUS: 1973-74

This information was obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, 1973-74 Professional Staff Survey. The figures in this table are not always an accurate total of the number of professional staff employed in a school because some staff members may not have filled in a survey. In addition, some staff members may have completed one section of the survey but not another section. As a result, the totals under the "Age", "Years in Present System", and "Position" columns may not be the same. The total number (#) of professional staff recorded in the "Census" column is the largest number of staff found in either the "Age", "Years in Present System", or "Position" categories. The "Total" number of professional staff members may be greater than the total number of "White", "Black", "Spanish Surname", "Asian-American", "Native-American", and "Other" professional staff members because some people who answered this survey did not indicate their racial or ethnic background. An N.A. indicates that this information was not available for the school.

The survey form had 24 different position codes. These positions were reclassified, by the MPP support research staff, under one of these four headings: "Administrators", "Teachers", "Teacher Aides", and "Other Professionals".

"Administrators" include the following positions:

1. Administrative Assistant
2. Assistant Director or Manager
3. Assistant or Vice-Principal
4. Assistant Superintendent
5. Assistant Supervisor
6. Director or Manager (Pupils or Programs)
7. Principal
8. Research
9. Superintendent

"Teachers" include:

1. Itinerant Teacher
2. Special Class Teacher (Handicapped)
3. Specialist (Reading, Speech, etc.)
4. Teacher

"Teacher Aides" include:

1. Teacher Aide

"Other Professionals" include:

1. Attendance Supervisor
2. Chairman or Department Head
3. Counselor
4. Librarian
5. Nurse
6. Other Professional or Technical Personnel
7. Psychologist
8. Psychometrist
9. Social Worker (Adjustment Counselor)
10. Supervisor or Consultant (Staff Improvement)



PAGE 2 - STUDENT ETHNIC CENSUS: 1973-74

This information was obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Enrollment by Classification, Exhibit II, 1973-74. The figures in the "White" column include "White" students and students of racial backgrounds other than "Black", "Native-American", "Asian-American", and "Spanish Surname". "Spanish Surname" students were placed in the "Non-white" category.

PAGE 2 - RACIAL CENSUS: 1967-68; 1970-71; 1972-73

The information on the "Total", "White", and "Non-white" enrollments for these three school years were obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Racial Census, October, 1967; Racial Census, October, 1970; and Racial Census, October, 1972. The Racial Census does not indicate which students were considered "White" and which were considered "Non-white".

PAGE 2 - RACIAL CENSUS: ENROLLMENT CHANGE 1967-1972

These figures were calculated from the previous table by the MPP support research staff. The figures under the number sign (#) column were calculated by subtracting from the "Total", "White" or "Non-white" enrollment for the 1972-73 school year, the "Total", "White" or "Non-white" enrollment for the 1967-68 school year. For example, if the 1972-73 total enrollment was 100 students and the 1967-68 enrollment was 50 students, the enrollment change would be +50(100-50) and this figure would appear in the appropriate box. The figures under the percent(%) column were derived by dividing the difference between the 1972-73 and 1967-68 enrollment by the 1967-68 enrollment. If the difference, for example, between the 1972-73 and 1967-68 enrollments were +50 and the 1967-68 enrollment were 50, the percent change would be +100(50/50). The figures under the "% Change in Proportional Distribution" column were calculated as follows:

The "% White" (or "% Non-white") for 1972-73 was subtracted from the "% White" (or "% Non-white") for 1967-68.

This difference was divided by the "% White" (or "% Non-white") for 1967-68 and this is the figure that was recorded. For example, if the "% White" in 1967-68 was 75% and the "% White" in 1972-73 was 50%, the "% Change in Proportional Distribution" would be calculated as follows:  
$$(50-75)/75 = (-25)/75 = -0.33.$$

Since the percent "Total Enrollment" is always 100%, no "% Change in Proportional Distribution" was calculated or recorded for "Total Enrollment". If there is a percent change from 0 to any number, the "% Change in Proportional Distribution" is mathematically undefined. This is noted by the word "Undefined".

PAGE 2 - FOLLOW-UP OF HIGH SCHOOL GRADUATES: 1968-1972

The information on the post high school placement of 1968 graduates was obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Distribution of Graduating Class, 1969. The number of students in each of the various placement categories may not equal the total number of high school graduates because information on all placements was not available. If there was no information available on high school graduates in a particular school, this is noted by an N.A. in the first column (under the # sign). The information on the 1972 graduates was obtained from the Massachusetts State Department of Education, Division of Research, Planning, and Evaluation, Distribution of High School Graduates, Class of 1972, Fall 1973. The percentages in the 1972 column may not add up to 100% because of rounding. This table is only displayed for high schools; the profiles for elementary and junior high schools do not have this table.

PAGE 2 - ELIGIBLE TRANSITIONAL BILINGUAL STUDENTS: 1973-74

The number of students eligible for a transitional bilingual program was obtained from the Massachusetts State Department of Education, Bureau of Transitional Bilingual Education, Census of Children of Limited English Speaking Ability on October 1, 1973, under Chapter 71A, Act of 1971. This Census of all public school students is conducted each year in order to determine how many students are of limited English speaking ability as defined in Chapter 71A and, thus, eligible for transitional bilingual classes. The "Percent of Bilingual Enrollment" was calculated by the MPP support research staff by dividing the number of students in each language category, such as "Chinese" or "French" by the "Total" number of eligible bilingual students.

Leslie Steven May



# METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE # 187 MILLIS

## EDUCATIONAL CHARACTERISTICS

NUMBER OF SCHOOLS AND ENROLLMENT By Type of School: 1973-74				
Type of School	Number of Schools	Enrollment		
		Total	White	Non-white
Elementary	2	979	979	0
Junior High	0			
High School	1	771	765	6
Special & Ungraded	0			
Regional	0			
Vocational	0			
Total	3	1,750	1,744	6

SCHOOL ATTENDING CHILDREN IN PUBLIC and Non-public Schools					
Year	Total	Public		Non-public	
		#	%	#	%
1967-68	1,722	1,655	96.1	67	3.9
1970-71	1,825	1,777	97.4	48	2.6
1972-73	1,829	1,781	97.4	48	2.6

EDUCATIONAL COLLABORATIVE PARTICIPATION 1973-74	
Title III- Regional Early Childhood Education and Resource Centre (RECERC--ECC)	

1970 CENSUS: SCHOOL ENROLLMENT FOR Level and Type of School by Race (Population 3 - 34 years)									
Level and Type of School	Total		White		Black		Spanish-American		
	#	%	#	%	#	%	#	%	
Nursery School <sup>1</sup>									
Public	6	.3	6	.3	N.A.		N.A.		
Parochial	0		0		N.A.		N.A.		
Private	23	1.2	23	1.2	N.A.		N.A.		
Kindergarten									
Public	160	8.5	160	8.5	N.A.		N.A.		
Parochial	0		0		N.A.		N.A.		
Private	28	1.5	28	1.5	N.A.		N.A.		
Elementary (1-8)									
Public	1,080	57.4	1,080	57.4	N.A.		N.A.		
Parochial	0		0		N.A.		N.A.		
Private	21	1.1	21	1.1	N.A.		N.A.		
High School (1-4)									
Public	371	19.7	371	19.7	N.A.		N.A.		
Parochial	19	1.0	19	1.0	N.A.		N.A.		
Private	25	1.3	25	1.3	N.A.		N.A.		
College									
Public	58	3.1	58	3.1	N.A.		N.A.		
Private	90	4.8	90	4.8	N.A.		N.A.		

FEDERALLY-FUNDED PROGRAMS: 1973-74		
Program	# of Students	% Total Enrollment
Title I	15	.9
Title III	1,035	59.1





EDUCATIONAL CHARACTERISTICS

RACIAL CENSUS 1967-68; 1970-71; 1972-73					
Years	Total Enrollment	White		Non-white	
		#	%	#	%
1967-1968	1,648	1,639	99.5	9	0.5
1970-1971	1,760	1,744	99.1	16	0.9
1972-1973	1,762	1,756	99.7	6	0.3

RACIAL CENSUS: ENROLLMENT CHANGE 1967-1972				
	#	% Change in Proportional Distribution		
		#	%	
TOTAL	+114		+6.9	
White	+117		+7.1	+0.2
Non-white	-3		-33.3	-40.0

STUDENT ETHNIC CENSUS: 1973-74					
	Black	Non-white			Spanish Surname
		Native-American	Asian-American		
Number	4	0	0		2
Percent	0.2				0.1

FOLLOW UP OF HIGH SCHOOL GRADUATES: 1968; 1972					
Post High School Placement	Class of				
	1968		1972		
	#	%	#	%	
4-yr. State College	12	18.8	21	23.9	
4-yr. Other College	13	20.3	10	11.4	
2-yr. State College	2	3.1	5	5.7	
2-yr. Other College	8	12.5	14	15.9	
Nurses Training	0	0.0	0	0.0	
Other Post Secondary	1	1.6	6	6.8	
Military	11	17.2	3	3.4	
Work	15	23.4	27	30.7	
Other	2	3.1	2	2.3	
TOTAL	64	100.0	88	100.0	

ELIGIBLE TRANSITIONAL BILINGUAL STUDENTS: 1973-74		
Language	Number of Students	Percent of Bilingual Enrollment
TOTAL	0	
Chinese		
French		
Greek		
Italian		
Portuguese		
Spanish		
Other		



METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE # 187 MILLIS

EDUCATIONAL CHARACTERISTICS

PUBLIC SCHOOL STUDENT ENROLLMENTS: 1964 - 1982					
Past Enrollments: 1964 - 1972					
Projected Enrollments: 1973 - 1982					
School Year Beginning in Fall of	Total K-12 (R <sup>2</sup> = .977 )	Total K-6 (R <sup>2</sup> = .950)	Total 7-12 (R <sup>2</sup> = .954)	White K-12 (R <sup>2</sup> = .976)	Non-white K-12 (R <sup>2</sup> = .278 )
1964	1382.00	879.521	502.919	1382.00	0.0
1965	1554.00	979.564	574.436	1547.00	7.00000
1966	1640.00	1032.77	606.226	1631.00	9.00000
1967	1648.00	1048.54	599.456	1639.00	9.00000
1968	1724.00	1050.24	673.758	1717.00	7.00000
1969	1729.00	1059.00	670.000	1718.00	11.00000
1970	1752.00	1067.00	685.000	1740.00	12.00000
1971	1790.00	1066.96	723.039	1780.00	10.00000
1972	1762.00	1022.00	740.000	1756.00	6.00000
1973	1769.59	1054.70	746.231	1761.46	11.3055
1974	1771.09	1054.72	756.806	1763.13	11.9889
1975	1771.57	1054.72	765.510	1764.13	12.6722
1976	1772.48	1054.72	772.641	1764.71	13.3555
1977	1772.77	1054.72	778.460	1765.06	14.0389
1978	1772.95	1054.72	783.193	1765.26	14.7222
1979	1773.04	1054.72	787.033	1765.38	15.4056
1980	1773.10	1054.72	790.141	1765.45	16.0889
1981	1773.14	1054.72	792.653	1765.50	16.7722
1982	1773.16	1054.72	794.680	1765.52	17.4556



METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE # 187 MILLIS

EDUCATIONAL CHARACTERISTICS

NUMBER OF TEACHERS BY RACE: 1972-73												
Total	White		Non-White		Non-white							
					Black		Asian-American		Native-American		Spanish Surname	
	#	%	#	%	#	%	#	%	#	%	#	%
100	100	100.0	0		0		0		0		0	

NUMBER OF TEACHERS, TEACHER AIDES AND OTHER PROFESSIONAL STAFF: 1973-74																
Staff Status	Total	White		Non-white		Non-white										
						Black		Asian-American		Native-American		Spanish Surname		Other		
		#	%	#	%	#	%	#	%	#	%	#	%	#	%	
Teachers	99	99	100.0	0												
Teacher Aides	4	4	100.0	0												
Other Professional Staff	6	6	100.0	0												
Total	109	109	100.0	0												





# METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE # 187 MILLIS

## EDUCATIONAL CHARACTERISTICS

SELECTED FINANCIAL CHARACTERISTICS						
Year	% Municipal Tax Spent on Education	Comprehensive Per Pupil Expenditure (in \$)			Public School Attending Children Transported at Public Expense	
		Total	Elementary School	Junior High School	High School	Computative Equalized Property Valuation per School Attending Child (in \$)
1967-68	40.0	518	403	746	691	17,422
1970-71	56.4	744	600	927	1,013	18,082
1972-73	60.9	962	807	754	1,671	26,244

1973 TAX RATE	
Official	Equalized
46.00	46.00

1973 SCHOOL TAX RATE	
Official	Equalized
37.62	27.62

1973 MOODY'S BOND RATING	
	A

PUBLIC SCHOOL STUDENTS Receiving Subsidized Lunches: 1973-74		
TOTAL	# of Lunch Program Students	% of Total Enrollment
	134	7.7
Free	134	7.7
Reduced Price	0	

STUDENTS ENROLLED IN METCO		
Year	# METCO Students	% of Total Enrollment
1967-68	0	
1970-71	0	
1972-73	0	
1973-74	0	



METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE # 187 MILLIS

EDUCATIONAL CHARACTERISTICS

PERCENT DISTRIBUTION OF SCHOOL REVENUES: 1967-68; 1970-71; 1972-73									
Year	Total Public School Funds Provided *	Local Sources		Commonwealth Sources		Federal Sources		Other School Districts	
		\$	%	\$	%	\$	%	\$	%
1967-68	1,174,433	802,753	68.5	335,098	28.5	34,044	2.9	0	
1970-71	1,671,416	1,249,223	74.7	400,489	24.0	33,072	2.0	0	
1972-73	2,020,682	1,561,265	77.3	450,539	22.3	46,570	2.3	0	

Notes: \*The amount of Total Public School Funds Provided is not necessarily equal to the total of the Local, Commonwealth, Federal, and Other School District revenues because the total incorporates an adjustment figure reported in the annual budget for the beginning and ending balance.

ABSOLUTE DOLLAR AND PERCENT CHANGES IN REVENUES: 1967-72										
Changes in Public School Funds Provided 1967-72	Total		Local Sources		Commonwealth Sources		Federal Sources		Other School Districts	
	\$	%	\$	%	\$	%	\$	%	\$	%
	846,249	72.1	758,512	94.5	115,441	34.4	12,526	36.8	0.0	

PERCENT CHANGE IN PROPORTIONAL DISTRIBUTION OF REVENUES: 1967-72				
% Change in Proportional Distribution of Revenue 1967-72	Local Sources		Commonwealth Sources	Other School Districts
	12.8		-21.8	-20.7
				0.0





## EDUCATIONAL CHARACTERISTICS

PERCENT DISTRIBUTION OF SCHOOL EXPENDITURES: 1967-68; 1970-71; 1972-73															
Year	Total Public School Funds Applied	Expenditures by School Committee						Expenditures for Services provided by Other Municipal Agencies		Expenditures for Regional School Assessments		Expenditures of Federal Funds		Expenditures of Revolving Funds	
		Administration		Instruction		Other*		\$	%	\$	%	\$	%	\$	%
		\$	%	\$	%	\$	%								
1967-68	1,174,433	27,750	2.3	649,856	55.4	153,418	13.1	243,573	20.7	0		22,549	1.9	77,287	6.6
1970-71	1,671,416	37,569	2.2	1,012,158	60.6	217,463	13.0	296,438	17.7	0		10,019	0.6	97,769	5.8
1972-73	2,020,682	41,899	2.1	1,305,286	64.6	283,287	14.0	293,281	14.5	0		25,481	1.3	71,448	3.5

ABSOLUTE DOLLAR AND PERCENT CHANGES IN EXPENDITURES: 1967-72															
Changes in Public School Funds Expended 1967-72	Total Public School Funds Applied	Expenditures by School Committee								Expenditures for Regional School Assessments		Expenditures of Federal Funds		Expenditures of Revolving Funds	
		Administration		Instruction		Other*		Expenditures for Services provided by Other Municipal Agencies		\$	%	\$	%	\$	%
		\$	%	\$	%	\$	%	\$	%						
	\$ 846,249	14,149	51.0	655,430	100.9	129,869	84.7	49,708	20.4	0		2,932	13.0	-5,839	-7.6

PERCENT CHANGE IN PROPORTIONAL DISTRIBUTION OF EXPENDITURES: 1967-72						
Percent Change in Proportional Distribution of Expenditures 1967-72	Expenditures by School Committee			Expenditures for Services provided by Other Municipal Agencies	Expenditures for Regional School Assessments	Expenditures of Federal Funds
	Administration	Instruction	Other*			
		-8.7	16.6	6.9	-30.0	0.0
						-47.0

	0.7	10.0	0.3	0.9	0.0	0.0
Note:	*Other includes the following categories: attendance, health service, pupil transportation, food services, athletics, other student-body activities, operation and maintenance of plant, fixed charges, community services, acquisitions of fixed assets, debt retirement and debt services, and programs with other districts.					



EDUCATIONAL CHARACTERISTICS

1970 CENSUS: COUNT OF PERSONS 25 YEARS OF AGE AND OVER BY RACE AND YEARS OF SCHOOL COMPLETED									
Level and Years of School Completed	Total Population		White		Black		Spanish-American		
	#	%	#	%	#	%	#	%	
No School	23	0.8	23	0.8	0		0		
Year Completed									
Elementary:	13	0.4	13	0.4	0		0		
1-4 years									
5-6 years	51	1.7	51	1.7	0		0		
7 years	64	2.2	60	2.0	0		0		
8 years	180	6.1	180	6.1	0		0		
High School:									
1-3 years	458	15.4	445	15.2	0		0		
4 years	1,195	40.3	1,195	40.7	0		0		
College:									
1-3 years	479	16.2	475	16.2	0		0		
4 years	263	8.9	259	8.8	0		0		
5 years or more	239	8.1	232	7.9	0		0		
Total	2,965	100.0	2,933	100.0	0		0		

MEDIAN SCHOOL YEARS COMPLETED			
Total Population	White	Black	Spanish-American
12.2	12.2	N.A.	N.A.



METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE # 187 MILLIS

DEMOGRAPHIC CHARACTERISTICS

CENSUS POPULATION BY RACE AND SPANISH LANGUAGE: 1960; 1970													
Year	Total Population	Total Population						Non-White					
		White		Non-white		Black		Native-American		Asian-American		Other	
		#	%	#	%	#	%	#	%	#	%	#	%
1960	4,374	4,372	100.0	2	0.1	1	0.02	0		0		1	0.02
1970	5,686	5,652	99.4	34	0.6	10	0.2	4	0.1	8	0.1	12	0.2
1960-1970													
Increase (+)		1,280	29.3	+32	1600.	+9	900.0	+4	Undefined	+8		+11	1110.
Decrease (-)													
% Change in Proportional Distribution		-0.6		+500		Undefined	Undefined	Undefined	Undefined	Undefined		Undefined	
												Spanish Language	
												#	%
												Not Available	
												N.A.	N.A.

CENSUS POPULATION INCREASE OR DECREASE: 1960-1970	
1960-70	
Increase (+) or Decrease (-)	+1,312
% Change 1960-70	
Increase (+) or Decrease (-)	+30.0
Balance of Births to Deaths	
Excess of Births (+)	
Excess of Deaths (-)	+841
Net Migration	
Excess of People Moving In (+)	
Excess of People Moving Out (-)	+471

1970 CENSUS: FERTILITY RATIO BY RACE	
Total Population	1.907:1
White	
Black	1.913:1
Spanish-American	N.A.
	N.A.





DEMOGRAPHIC CHARACTERISTICS

1970 CENSUS: Household Population by Race			
Race	Total Population #	Population in Households	
		#	%
White	5,652	5,571	99.4
Black	10	9	0.2
Other	24	23	0.4
Total	5,686	5,603	100

1970 CENSUS: Number of Families by Sex of Family Head				
Family Head	Total Population	White	Black	Spanish-American
Male	1,215	1,204		
Female	116	116	N.A.	N.A.
Total	1,331	1,320	N.A.	N.A.

1970 CENSUS: AGE DISTRIBUTION BY RACE									
Age	Total	White		Non-white		Non-white			
		#	%	#	%	Black	%	Other	%
Under 5	593	589	10.4	4	11.8	2	20.0	2	8.3
5 - 9	747	743	13.2	4	11.8	1	10.0	3	12.5
10 - 14	699	693	12.3	6	17.7	2	20.0	4	16.7
15 - 19	474	474	8.4	0		0		0	
20 - 24	295	293	5.2	2	5.9	1	10.0	1	4.2
25 - 44	1,527	1,514	26.8	13	38.2	3	30.0	10	41.7
45 - 64	936	933	16.5	3	8.8	1	10.0	2	8.3
65 and Over	415	413	7.3	2	5.9	0		2	8.3
Total	5,686	5,652	100.0	34	100.0	10	100.0	24	100.0



METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE # 187 MILLIS

DEMOGRAPHIC CHARACTERISTICS

1970 CENSUS: NATIVITY AND PARENTAGE					
Nativity	Total Population		White	Black	Spanish-American
	#	%	#	#	#
Native of Native Parent	4,318	74.9	4,314		
Foreign Stock	1,447	25.1	1,402		
Total	5,765	100.0	5,716	N.A.	N.A.

1970 CENSUS: MOST FREQUENT COUNTRY of Origin of Foreign Stock			
Country of Origin	# of Persons	% Foreign Stock Population	
Canada	462	31.9	
Ireland	217	15.0	
Italy	151	10.4	
United Kingdom	132	9.1	

1970 CENSUS: SPANISH POPULATION INDICATORS			
Indicators	# of Persons	% of Total Population	
Spanish Origin or Descent	0		
Puerto Rican Birth or Parentage	0		
Spanish Language	5	0.1	

1970 CENSUS: MOST FREQUENT MOTHER TONGUES Other Than English			
Mother Tongue	# of Persons	% of Total Population	
French	212	3.7	
Italian	127	2.2	
Polish	96	1.7	
German	52	0.9	





METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE # 187 MILLIS

ECONOMIC CHARACTERISTICS

1970 CENSUS: NUMBER OF EMPLOYED PERSONS 16 YEARS OLD AND OVER BY OCCUPATION								
Occupation	Total Persons Employed		White		Black		Spanish-American	
	#	%	#	%	#	%	#	%
Professional, Technical and Kindred Workers	511	23.2	511	23.4				
Managers and Administrators, except Farm	229	10.4	227	10.4				
Sales Workers	141	63.9	141	6.5				
Clerical and Kindred Workers	398	18.0	389	17.8				
Craftsmen, Foremen and Kindred Workers	270	12.2	270	12.4				
Operatives, except Transport	201	9.1	196	9.0				
Transport Equipment Operatives	113	5.1	113	5.2				
Laborers, except Farm	68	3.1	68	3.1				
Farmers and Farm Managers	15	0.7	15	0.7				
Farm Laborers and Foremen	5	0.2	5	0.2				
Service Workers, except Private Household	244	11.1	237	10.9				
Private Household Workers	12	0.5	12	0.5				
Total	2,207	100.0	2,184	100.0	N.A.		N.A.	



METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE # 187 MILLIS

ECONOMIC CHARACTERISTICS

MEDIAN INCOME: 1960 CENSUS; 1970 CENSUS							
Year	Families			Unrelated Individuals			
	All	White	Black	Spanish-American	All	White	Black
1960	N.A.				N.A.		
1970	\$12,579	\$12,540	N.A.	N.A.	\$3,644	\$3,722	N.A.
							N.A.

1970 CENSUS: EMPLOYMENT STATUS BY RACE of Persons 16 Years of Age and Over in Labor Force									
Employment Status	Total Population		White		Black		Spanish-American		
	#	%	#	%	#	%	#	%	%
Employed	2,207	94.8	2,184	94.7	0		0		
Unemployed	122	5.2	122	5.3	0		0		
Total	2,329	100.0	2,306	100.0	0		0		



METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE # 187 MILLIS

ECONOMIC CHARACTERISTICS

1970 CENSUS: Number of Persons in Families and Number of Unrelated Individuals with Income Less Than Poverty Level								
Family Status	Total Population		White		Black		Spanish-American	
	#	%	#	%	#	%	#	%
Persons in Families	138	58.5	138	59.5	N.A.		N.A.	
Unrelated Individuals	98	41.5	94	40.5				
Total	236	100.0	232	100.0				

1970 CENSUS: Number of Related Children Under 18 in Families Below Poverty Level by Presence of Parents								
Parental Presence	Total Population		White		Black		Spanish-American	
	#	%	#	%	#	%	#	%
Living with Both Parents	31	1.3	31	1.3	N.A.		N.A.	
Other	43	1.8	43	1.8	N.A.		N.A.	
Total	74	3.1	74	3.1				





METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE # 187 MILLIS

ECONOMIC CHARACTERISTICS

CHARACTERISTICS OF INDUSTRIAL FIRMS: 1967					
Industry	Number of Firms	Annual Payroll in \$	Average Number of Employees	Average Annual Wage in \$	
Agriculture and Mining	3	16,394	4	4,099	
Construction	13	113,725	20	5,686	
Manufacturing	13	3,496,643	505	6,924	
Transportation, Communication, and Utilities	7	466,690	58	8,046	
Wholesale and Retail Trade	26	395,675	121	3,270	
Finance, Insurance, Real Estate	4	47,202	7	6,743	
Service Industries	16	154,505	59	2,619	
Total	82	4,690,834	774	6,061	



METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE # 187 MILLIS

ECONOMIC CHARACTERISTICS

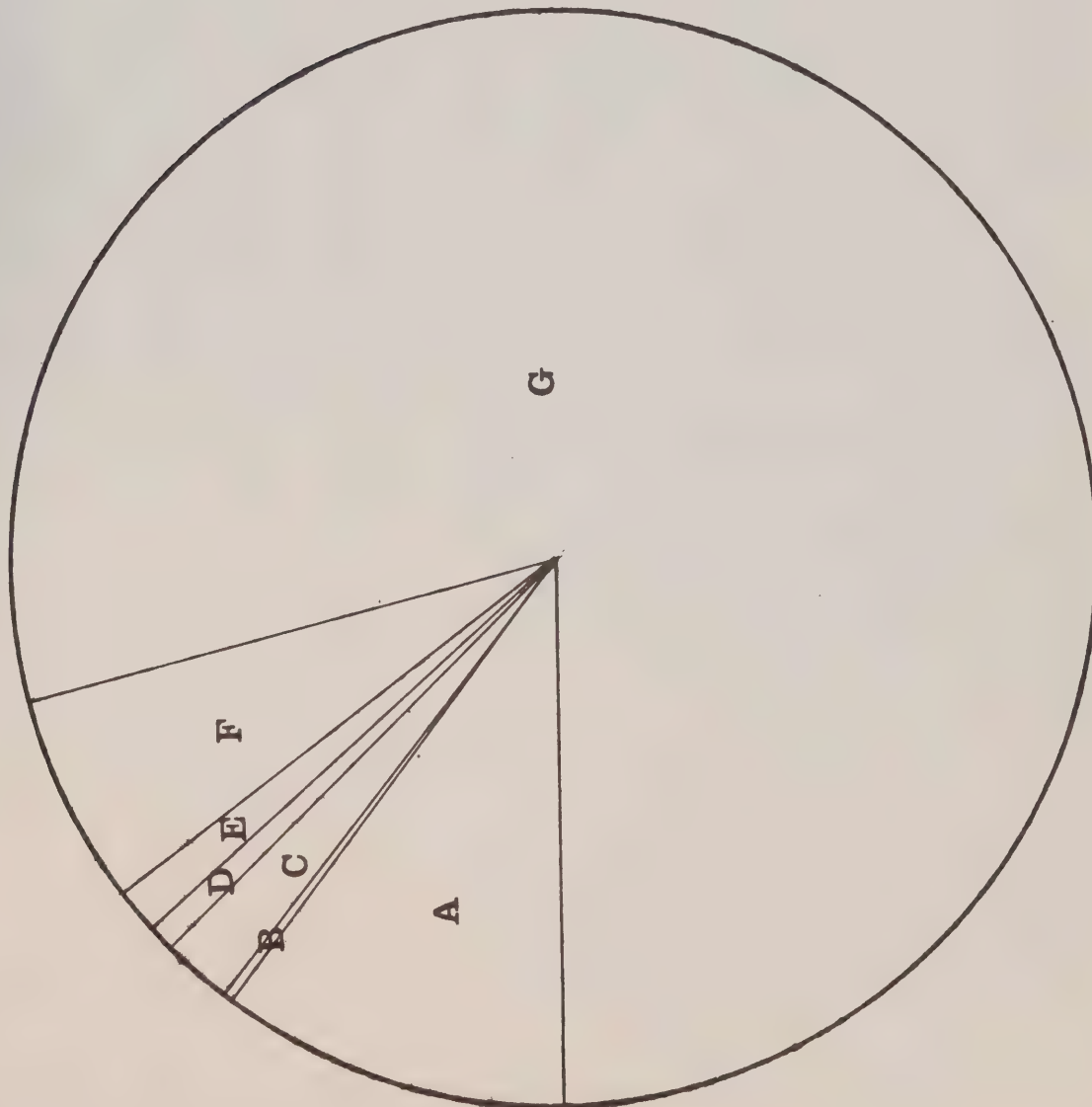
CHARACTERISTICS OF INDUSTRIAL FIRMS: 1972				
Industry	Number of Firms	Annual Payroll in \$	Average Number of Employees	Average Annual Wage in \$
Agriculture and Mining	2	231,561	15	15,437
Construction	15	213,469	35	6,099
Manufacturing	16	4,493,600	493	9,115
Transportation, Communication, and Utilities	8	750,312	61	12,300
Wholesale and Retail Trade	33	861,124	190	4,532
Finance, Insurance, Real Estate	3	254,779	19	13,409
Service Industries	17	448,456	80	5,606
Total	94	7,253,301	893	8,122





1971 LAND USE PATTERN IN

# MILLIS



LAND USE		%
A	RESIDENTIAL	10.4
B	COMMERCIAL	0.2
C	RECREATIONAL	2.0
D	PUBLIC INSTITUTIONS	0.7
E	INDUSTRIAL	1.4
F	VACANT LAND	6.2
G	OTHER:	79.1

Transportation  
Disposal Sites, Extractive  
Agricultural and Forest  
Water and Wetlands



METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE # 187 MILLIS

HOUSING CHARACTERISTICS

1970 CENSUS: SELECTED HOUSING CHARACTERISTICS										
Total Housing Units			Occupied Housing Units				Median Value		Median Contract Rent	
Total	Vacant	Occupied	Total	Owner Occupied	Renter Occupied		Owner Occupied		Owner Occupied	
#	%	#	%	#	%	#	%	\$	\$	\$
1,553	100.0	37	2.4	1,516	97.6	1,516	100.0	1,209	79.7	20.3
										22,000
										114

1970 CENSUS: NUMBER OF HOUSING UNITS by Occupancy Status and Race of Head of Household						
Occupancy Status	Total		White Head of Household		Black Head of Household	
	#	%	#	%	#	%
Owner Occupied	1,209	77.9	1,203	79.8	2	100.0
Renter Occupied	307	19.8	304	20.2	0	
Vacant Year Round	35	2.3	Not Applicable			
Total	1,551	100.0	1,507	100.0	2	100.0

BUILDING PERMITS ISSUED FOR NEW Dwelling Units: 1960-1971	
Year Issued	Number
1960-1964	192
1965-1970	200
1971	29
Total	421



METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE #187 MILLIS

HOUSING CHARACTERISTICS

NUMBER OF SUBSIDIZED HOUSING UNITS BY TYPE OF UNIT BY CONSTRUCTION STATUS: 1973									
Status	Total Subsidized Units	Low Income Units			Moderate Income Units			MHFA Low-Moderate Income Units	
		Elderly	Family	Leased	Elderly	Family Homeownership	Rental Assistance	Low	Moderate
Completed	72	72	0	0	0	0	0	0	0
Under Construction	0								
In Planning	0								

1970 CENSUS: AGE OF HOUSING UNITS									
Year Built	Total Housing Units		Black Occupied Housing Units		Other Occupied Housing Units		Spanish-American Occupied Housing Units		
	#	%	#	%	#	%	#	%	%
1965-March 1970	206	12.9							
1960-1964	200	12.6							
1950-1959	520	32.7							
1940-1949	67	4.2							
1939 or earlier	599	37.6							
Total	1,592	100.0	N.A.		N.A.		N.A.		





METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE # 187 MILLIS

HOUSING CHARACTERISTICS

1970 CENSUS: NUMBER OF PERSONS PER ROOM IN OCCUPIED HOUSING UNITS by Race of Head of Household						
Persons per Room	Total Occupied Units		Black Occupied Units		Other Occupied Units	
	#	%	#	%	#	%
1.00 or less	1,417	93.5				
1.01 to 1.50	92	6.1				
1.51 or more	7	0.5				
Total	1,516	100.0	N.A.		N.A.	

1970 CENSUS: TYPE OF HOUSING STRUCTURE			
Type	# of Structures	% of Housing Units	
1 Unit	1,303	81.8	
2 Units	106	6.7	
3-4 Units	83	5.2	
5-9 Units	60	3.8	
10 or more Units	40	2.5	
Mobile Home or Trailer	0		
Total	1,592	100.0	

1970 CENSUS: Average Number of Persons per Housing Unit	
Total Occupied Housing Units	3.7
Black Occupied Housing Units	N.A.
Other Occupied Housing Units	N.A.
Spanish-American Occupied Housing Units	N.A.



METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE # 187 MILLIS

HOUSING CHARACTERISTICS

1970 CENSUS: VALUE OF OWNER OCCUPIED HOUSING UNITS BY RACE OF HEAD OF HOUSEHOLD									
	Total Owner		Black Owner		Other Owner		Spanish-American		
	#	%	#	%	#	%	#	%	
Less than \$5,000	6	0.5							
\$5,000 - \$7,499	20	1.8							
\$7,500 - \$9,999	4	0.4							
\$10,000 - \$12,499	39	3.5							
\$12,500 - \$14,999	53	4.8							
\$15,000 - \$17,499	90	8.1							
\$17,500 - \$19,999	210	19.0							
\$20,000 - \$24,999	293	26.4							
\$25,000 - \$34,999	285	25.7							
\$35,000 - \$49,999	89	8.0							
\$50,000 and over	19	1.7							
Total	1,108	100.0	N.A.		N.A.		N.A.		N.A.





METROPOLITAN PLANNING PROJECT/COMMUNITY PROFILE # 187 MILLIS

HOUSING CHARACTERISTICS

1970 CENSUS: MONTHLY GROSS RENT BY RACE OF HEAD OF HOUSEHOLD									
Monthly Gross Rent	Total Renter Occupied Units		Black Renter Occupied Units		Other Renter Occupied Units		Spanish-American Renter Occupied Units		
	#	%	#	%	#	%	#	%	
Less than \$30	0								
\$30 - \$49	0								
\$50 - \$69	44	14.9							
\$70 - \$89	10	3.4							
\$90 - \$119	30	10.1							
\$120 - \$149	70	23.6							
\$150 - \$199	83	28.0							
\$200 - \$249	14	4.7							
\$250 - \$299	8	2.7							
\$300 or more	0								
No Cash Rent	37	12.5							
Total	296	100.0	N.A.		N.A.		N.A.		



School District # 187  
School # 005

1973-74

School District:	Millis
School Name:	Clyde F. Brown
No. & Street:	Park Rd.
City, State, Zip:	Millis, Mass. 02054
Grade Organization:	K-2
Facilities:	
Initial Construction Date:	1954
Dates of Additions or Changes:	
# Rooms, Instructional Use:	11
# Rooms, Other Uses:	11
TOTAL	22

1973-74	
Federal Programs	
Title I:	
Type of Program:	English speech
# of Students:	15
% School Enrollment:	4.6
Lunch Program:	
# Students, Free:	29
# Students, Reduced Price:	0
TOTAL	29
% School Enrollment:	9.0
Bilingual Program:	
# Eligible Students:	0
% School Enrollment:	
METCO Interdistrict Program:	
# Students:	0
% School Enrollment:	

[illegible]



STUDENT ETHNIC CENSUS: 1973-74							School District # 187
							School # 005
Total		White	Non-white	Black	Native-American	Asian-American	Spanish Surname
Number	323	323	0	0	0	0	0
Percent	100.0	100.0					

RACIAL CENSUS: 1967-68, 1970-71, 1972-73					
Years	Total Enrollment	White		Non-white	
		#	%	#	%
1967-1968	327	326	99.7	1	.3
1970-1971	314	309	98.4	5	1.6
1972-1973	338	336	99.4	2	.6

RACIAL CENSUS: ENROLLMENT CHANGE 1967-1972			
	#	%	% Change in Proportional Distribution
TOTAL	11	+3.4	
White	10	+3.1	-0.3
Non-white	1	+100.0	+100.0

ELIGIBLE TRANSITIONAL BILINGUAL STUDENTS: 1973-74		
Language	Number of Students	Percent of Bilingual Enrollment
TOTAL	0	
Chinese		
French		
Greek		
Italian		
Portuguese		
Spanish		
Other		





School District # 187  
School # 010

1973-74	School District:	Millis
	School Name:	Memorial
	No. & Street:	Main St.
	City, State, Zip:	Millis, Mass. 02054
	Grade Organization:	K-6
	Facilities:	
	Initial Construction Date:	1913
	Dates of Additions or Changes:	1928, 1931
	# Rooms, Instructional Use:	33
	# Rooms, Other Uses:	17
	TOTAL	50

1973-74	
Federal Programs	
Title I:	
Type of Program:	
# of Students:	0
% School Enrollment:	
Lunch Program:	
# Students, Free:	28
# Students, Reduced Price:	0
TOTAL	28
% School Enrollment:	4.3
Bilingual Program:	
# Eligible Students:	0
% School Enrollment:	
METCO Interdistrict Program:	
# Students:	0
% School Enrollment:	

[illegible]



School District # 187  
School # 010

STUDENT ETHNIC CENSUS: 1973-74							
	Total	White	Non-white	Non-white			Spanish Surname
				Black	Native-American	Asian-American	
Number	656	656	0	0	0	0	0
Percent	100.0	100.0					

RACIAL CENSUS: 1967-68, 1970-71, 1972-73					
Years	Total Enrollment	White		Non-white	
		#	%	#	%
1967-1968	727	721	99.2	6	0.8
1970-1971	500	495	99.0	5	1.0
1972-1973	684	682	99.7	2	0.3

RACIAL CENSUS: ENROLLMENT CHANGE 1967-1972				
	#	%	% Change in Proportional Distribution	
TOTAL	-43	-5.9		
White	-39	-5.4		+0.5
Non-white	-4	-66.7		-62.5

ELIGIBLE TRANSITIONAL BILINGUAL STUDENTS: 1973-74		
Language	Number of Students	Percent of Bilingual Enrollment
TOTAL	0	
Chinese		
French		
Greek		
Italian		
Portuguese		
Spanish		
Other		





## METROPOLITAN PLANNING PROJECT/INDIVIDUAL SCHOOL PROFILE

School District #	187
School #	505
1973-74	
Federal Programs	
Title I:	
Type of Program:	
# of Students:	0
% School Enrollment:	
Lunch Program:	
# Students, Free:	77
# Students, Reduced Price:	0
TOTAL	77
% School Enrollment:	10.0
Bilingual Program:	
# Eligible Students:	0
% School Enrollment:	
METCO Interdistrict Program:	
# Students:	0
% School Enrollment:	

1973-74  
School District: Millis  
School Name: Millis Junior-Senior High  
No. & Street: Plain St.  
City, State, Zip: Millis, Mass. 02054  
Grade Organization: 7-12  
Facilities:  
Initial Construction Date: 1961  
Dates of Additions or Changes: 1967  
# Rooms, Instructional Use: 60  
# Rooms, Other Uses: 28  
TOTAL 88

[illegible]



STUDENT ETHNIC CENSUS: 1973-74										School District # 187	School # 505
Total		White	Non-white	Black	Non-white			Spanish Surname			
					Native-American	Asian-American					
Number	771	765	6	4	0	0			2		
Percent	100.0	99.2	0.8	0.5				0.3			

RACIAL CENSUS: 1967-68, 1970-71, 1972-73					
Years	Total Enrollment	White		Non-white	
		#	%	#	%
1967-1968	594	592	99.7	2	.3
1970-1971	683	677	99.1	6	.9
1972-1973	740	738	99.7	2	.3

RACIAL CENSUS: ENROLLMENT CHANGE 1967-1972				% Change in Proportional Distribution
			#	
TOTAL			146	+24.6
White			146	+24.7
Non-white			0	0.0

FOLLOW UP OF HIGH SCHOOL GRADUATES: 1968, 1972					
Post High School Placement	Class of				
	1968		1972		
	#	%	#	%	
4-yr. State College	12	18.8	21	23.9	
4-yr. Other College	13	20.3	10	11.4	
2-yr. State College	2	3.1	5	5.7	
2-yr. Other College	8	12.5	14	15.9	
Nurses Training	0	.0	0	.0	
Other Post Secondary	1	1.6	6	6.8	
Military	11	17.2	3	3.4	
Work	15	23.4	27	30.7	
Other	2	3.1	2	2.3	
TOTAL	64	100.0	88	100.0	

ELIGIBLE TRANSITIONAL BILINGUAL STUDENTS: 1973-74			Percent of Bilingual Enrollment
Language	Number of Students		
TOTAL	0		
Chinese			
French			
Greek			
Italian			
Portuguese			
Spanish			
Other			

















